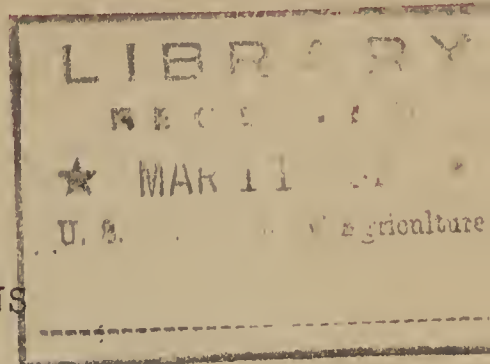


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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JANUARY 1932

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Report of the Alaska Agricultural Experiment Stations, 1930. H.W. Alberts:
48 pp., 13 figs. Nov. 1931.

Phosphate solubility studies on some unproductive calcareous soils. W. T. McGeorge and J. F. Breazeale. (Arizona Sta. Tech. Bul. 35, pp. 319-360, 12 figs. Oct. 1931.)

The relation of phosphate availability, soil permeability, and carbon dioxide to the fertility of calcareous soils. W. T. McGeorge and J. F. Breazeale. (Arizona Sta. Tech. Bul. 36, pp. 361-412, 9 figs. Nov. 1931.)

Commercial fertilizers, report for 1931. E.M. Bailey. (Connecticut State Sta. Bul. 331, 69 + xi pp. Oct. 1931.)

A bacteriological method for determining mineral soil deficiencies by use of the soil plaque. W. G. Sackett and L. C. Stewart. (Colorado Sta. Bul. 375, 36 pp., 19 figs. Nov. 1931.)

Field peas for fattening pigs. H.B. Osland and G. E. Morton. (Colorado Sta. Bul. 381, 18 pp., 3 figs. Oct. 1931.)

Reading references for the study of taxation. G.S. Klemmédson. (Colorado Sta. Bul. 382, 26 pp. Nov. 1931.)

The forty-fourth annual report of the Colorado Agricultural Experiment Station for the fiscal year 1930-31. C.P. Gillette et al. 52 pp. 1931.

Florida truck and garden insects. J. R. Watson. (Florida Sta. Bul. 232, 112 pp., 59 figs. June 1931.)

Swine production in Florida. A. L. Shealy and W. J. Sheely. (Florida Sta. Bul. 236, 58 pp., 33 figs. June 1931.)

Eleventh annual report, 1930. S. H. Starr. (Georgia Coastal Plain Sta. Bul. 16, 86 pp., 1 fig. June 1931.)

Extension program in agriculture and home economics, 1932. (Illinois Sta. Circ. 383, 23 pp. Jan. 1932.)

No corn borers found in Illinois in 1931. W.P. Flint et al. (Illinois Sta. Circ. 384, 4 pp., 1 fig. Jan. 1932.)

Lamb production: II, Feeding lambs on pasture, 1930. F.G. King and C. Harper. (Indiana Sta. Bul. 353, 12 pp., 3 figs. July 1931.)

Seventeenth annual report of the Creamery License Division for the year ending March 31, 1931. T.H. Binney. (Indiana Sta. Circ. 185, 19 pp., 1 fig. June 1931.)

Observations on the counting of bacteria in ice cream by the plate method. N.E. Fabricius and B.W. Hammer. (Iowa Sta. Bul. 285, pp. 329-342. Dec. 1931.)

Chemistry of butter and butter making: I, A comparison of four methods for the analysis of butter with an explanation of a discrepancy found to exist in the fat determinations. E.W. Bird and D.F. Breazeale. (Iowa Sta. Res. Bul. 144, pp. 353-382. Dec. 1931.)

Strawberries for ice cream manufacture. N.E. Fabricius. (Iowa Sta. Circ. 132, 12 pp. Nov. 1931.)

Growing an orchard in Kansas. R.J. Barnett. (Kansas Sta. Bul. 254, 44 pp., 13 figs. Feb. 1931.)

Dairy farm organization in southeastern Kansas. J.A. Hodges, R.S. Kifer, and R.D. Nichols. (Kansas Sta. Bul. 255, 77 pp., 15 figs. Feb. 1931.)

Resistance of varieties of winter wheat to Hessian fly, Phytophaga destructor (Say). R.H. Painter, S.C. Salmon, and J.H. Parker. (Kansas Sta. Tech. Bul. 27, 58 pp., 7 figs. Aug. 1931.)

Some factors influencing the mid-season potato market. E.A. Stokdyk. (Kansas Sta. Tech. Bul. 28, 104 pp., 24 figs. Aug. 1931.)

Judging price risks in marketing cattle. H.J. Henney. (Kansas Sta. Circ. 158, 43 pp., 17 figs. July 1931.)

The trend of real estate taxation in Kansas from 1910 to 1929. H. Howe. (Kansas Sta. Circ. 159, 16 pp., 10 figs. July 1931.)

The preparation, testing, and use of chlorine disinfectants. A.C. Fay. (Kansas Sta. Circ. 160, 8 pp., 1 fig. July 1931.)

Raising dairy calves. H.W. Cave. (Kansas Sta. Circ. 161, 14 pp., 6 figs. July 1931.)

Strawberry growing in Kansas. R.J. Barnett. (Kansas Sta. Circ. 162, 15 pp., 6 figs. July 1931.)

- Studies on Shigella equirulis (Bact. viscosum equi). P.R. Edwards. (Kentucky Sta. Bul. 320, pp. 289-330, 2 figs. Sept. 1931.)
- Report on soil experiment fields. G. Roberts and J. F. Freeman. (Kentucky Sta. Bul. 322, pp. 353-417, 1 fig. Sept. 1931.)
- Some factors affecting the price of white burley tobacco. D.G. Card. (Kentucky Sta. Bul. 323, pp. 419-437, 7 figs. Oct. 1931.)
- Comparison of apparently healthy strains and tuber lines of potatoes. D. Folsom, F. V. Owen, and H. B. Smith. (Maine Sta. Bul. 358, 104 pp., 23 figs. July 1931.)
- Commercial fertilizers, 1931. J.M. Bartlett. (Maine Sta. Off. Insp. 141, pp. 49-80. Oct. 1931.)
- Flower pot composition and its effect on plant growth. L.H. Jones. (Massachusetts Sta. Bul. 277, pp. 147-161, 4 figs. Oct. 1931.)
- Meteorological observations for December 1931. C.I. Gunness. (Massachusetts Sta. Met. Bul. 516, 4 pp. Dec. 1931.)
- Relationship of the farm home to the farm business, a study in Cottonwood and Steele Counties, Minnesota. L.A. Studley. (Minnesota Sta. Bul. 279, 24 pp., 5 figs. July 1931.)
- Clothing and houselinen expenditures of 99 rural families of Mississippi during 1928-29. D. Dickins. (Mississippi Sta. Bul. 294, 39 pp., 6 figs. Sept. 1931.)
- Mississippi Agricultural Experiment Station forty-fourth annual report for the fiscal year ending June 30, 1931. W. R. Perkins et al. 80 pp. [1931.]
- Length of feeding period and plane of nutrition as factors in lamb feeding. A.D. Weber, W.J. Loeffel, and M. Peters. (Nebraska Sta. Bul. 262, 39 pp., 2 pls., 9 figs. Oct. 1931.)
- Housing and house operation costs on Nebraska farms. J.O. Rankin. (Nebraska Sta. Bul. 264, 41 pp., 13 figs. Nov. 1931.)
- Nebraska tractor tests, 1920-1931. E.E. Brackett et al. (Nebraska Sta. Bul. 265, 32 pp., 1 fig. Jan. 1932.)
- Cattle production costs in Nevada in the years 1928, 1929, and 1930. C. A. Brennen et al. (Nevada Sta. Bul. 124, 54 pp., 32 figs. Oct. 1931.)
- Farm taxation in New Jersey. A. G. Waller and H. B. Weiss. (New Jersey Stas. Bul. 532, 29 pp., 2 figs. Nov. 1931.)
- The selection of eggs and baby chicks for exhibition. W.C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 3, 4 pp., 1 fig. Dec. 1931.)

Potato storage on 259 farms in New York. A.L. Wilson and E.V. Hardenburg.
(New York Cornell Sta. Bul. 526, 58 pp., 27 figs. Aug. 1931.)

The supply side of the New York milk market. H.A. Ross. (New York Cornell
Sta. Bul. 527, 151 pp., 41 figs. Sept. 1931.)

Fermentation and crystallization of honey. E.J. Dyce. (New York Cornell Sta.
Bul. 528, 76 pp., 1 fig. Oct. 1931.)

Relative effectiveness of limestone particles of different sizes. T.L. Lyon.
(New York Cornell Sta. Bul. 531, 13 pp., 3 figs. Dec. 1931.)

Studies on the fire blight organism, Bacillus amylovorus. A.L. Pierstorff.
(New York Cornell Sta. Mem. 136, 53 pp., 3 pls. July 1931.)

The effect of pruning apple trees at planting time. J. Oskamp. (New York Cor-
nell Sta. Mem. 138, 50 pp., 9 figs. Dec. 1931.)

New York State College of Agriculture at Cornell University, Cornell University
Agricultural Experiment Station, forty-fourth annual report, 1931: Part I,
The College of Agriculture, resident and extension instruction. A.R. Mann.
100 pp. 1932.

New York State College of Agriculture at Cornell University....Forty-fourth an-
nual report, 1931: Part II, The Cornell University Agricultural Experiment
Station, A.R. Mann. 112 pp. 1932.

The response of apples, cherries, and roses to fertilizer applications in the
nursery. H.B. Tukey and K.D. Brase. (New York State Sta. Bul. 599, 23 pp.,
4 figs. Nov. 1931.)

Control of hibernating caterpillars of the eye-spotted budmoth in apple orchards.
S.W. Harman. (New York State Sta. Bul. 600, 18 pp., 5 figs. Nov. 1931.)

Fiftieth annual report [New York State Agricultural Experiment Station] for the
fiscal year ended June 30, 1931. U.P. Hedrick. 122 pp., 1 fig. 1932.

Approved practices for Irish potato growers. B.F. Fulton et al. (North Caro-
lina Sta. Bul. 279, 1 fig. Jan. 1932.)

Wool marketing. A.H. Benton. (North Dakota Sta. Bul. 252, 46 pp., 17 figs.
Nov. 1931.)

Flax production in Argentina. H.L. Bolley. (North Dakota Sta. Bul. 253, 84
pp., 82 figs. Dec. 1931.)

Wheat to meat. J.H. Shepperd. (North Dakota Sta. Circ. 45, 8 pp., 6 figs.
Nov. 1931.)

Variations in livestock production costs and returns in Putnam County. J.F.
Dowler. (Ohio Sta. Bul. 495, 37 pp., 1 fig. Dec. 1931.)

- The causes and control of damping-off of tomato seedlings. L.J. Alexander, H.C. Young, and C.M. Kiger. (Ohio Sta. Bul. 496, 38 pp., 9 figs. Dec. 1931.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 154, 32 pp., 8 figs. Jan-Feb. 1932.)
- Mushroom insects, their biology and control. C.A. Thomas. (Pennsylvania Sta. Bul. 270, 42 pp., 6 pls., 1 fig. Oct. 1931.)
- Forty-fourth annual report of the South Carolina Experiment Station of Clemson Agricultural College. H.W. Barre et al. 125 pp., 40 figs. Dec. 1931.
- The control of fire ants in the Lower Rio Grande Valley. S.W. Clark. (Texas Sta. Bul. 435, 12 pp., 4 figs. Nov. 1931.)
- Productive energy of feeds calculated from feeding experiments with sheep. G. S. Fraps. (Texas Sta. Bul. 436, 56 pp. Nov. 1931.)
- Digestibility by chickens of the constituents of the nitrogen-free extract of feeds. G.S. Fraps. (Texas Sta. Bul. 437, 15 pp. Nov. 1931.)
- Estimation of nitric and nitrous nitrogen in soils. G.S. Fraps and A.J. Sterges. (Texas Sta. Bul. 439, 22 pp. Nov. 1931.)
- Observations on the use of commercial fertilizers on the arid soils of Utah. D.W. Pittman and C. Burnham. (Utah Sta. Bul. 233, 24 pp., 3 figs. Jan. 1932.)
- Crickets and grasshoppers in Utah. W.W. Henderson. (Utah Sta. Circ. 96, 38 pp., 21 figs. Nov. 1931.)
- Studies in Vermont dairy farming: VII, Charlotte, Ferrisburg, and Panton area. H.P. Young. (Vermont Sta. Bul. 329, 30 pp. May 1931.)
- The effect of extension education on the seasonal surplus milk problem in Addison County, Vermont. J.E. Carrigan. (Vermont Sta. Bul. 330, 26 pp. July 1931.)
- Calcium and phosphorus requirements of dairy cows: I, Weekly balances through lactation and gestation periods. H.B. Ellenberger, J.A. Newlander, and C.H. Jones. (Vermont Sta. Bul. 331, 27 pp., 13 figs. July 1931.)
- Forty-fourth annual report, 1930-31. J. L. Hills. (Vermont Sta. Bul. 332, 29 pp. Aug. 1931.)
- The supplemental value of fish meal as a feed for dairy cattle. M.H. Campbell. (Vermont Sta. Bul. 333, 19 pp. Aug. 1931.)
- Commercial fertilizers. L.S. Walker and E.F. Boyce. (Vermont Sta. Bul. 334, 29 pp. Sept. 1931.)

Cooperative creamery operation in Vermont. O.M. Camburn. (Vermont Sta. Bul. 335, 55 pp. Sept. 1931.)

Agricultural seed. A.S. Lutman. (Vermont Sta. Bul. 336, 7 pp. Oct. 1931.)

Commercial feeding stuffs. L.S. Walker and E.F. Boyce. (Vermont Sta. Bul. 337, 55 pp. Dec. 1931.)

Truck crop investigations: Onion culture. W.O. Strong, H.H. Zimmerley, and H.T. Cook. (Virginia Truck Sta. Bul. 72, pp. 837-859; 3 figs. July 1930.)

The effect of certain potato and tobacco viruses on tomato plants. G. Burnett and L.K. Jones. (Washington Col. Sta. Bul. 259, 37 pp., 6 pls. Dec. 1931.)

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

LIST OF STATION PUBLICATIONS
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DURING FEBRUARY 1932

Note: The publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Forty-second annual report, fiscal year ending June 30, 1931, of the [Alabama] Agricultural Experiment Station. M. J. Funchess et al. 56 pp., 1 fig. [1931.]

Body size and metabolism. M. Kleiber. (Hilgardia [California Sta.], vol. 6, No. 11, pp. 315-353, 1 fig. Jan. 1932.)

Methods for the isolation of Brucella abortus. B. S. Henry, J. Traum, and C. M. Haring. (Hilgardia [California Sta.], vol. 6, No. 12, pp. 355-379, 7 figs. Jan. 1932.)

The Mexican bean beetle in Connecticut. R. B. Friend and N. Turner. (Connecticut State Sta. Bul. 332, pp. 72-108, 15 figs. Dec. 1931.)

Self-selection of feeds by hens. A. E. Tomhave and C. W. Mumford. (Delaware Sta. Bul. 174, 24 pp. Nov. 1931.)

Preservation freezing.--Some effects on quality of fruits and vegetables. J. G. Woodroof. (Georgia Sta. Bul. 168, 23 pp., 11 figs. Dec. 1931.)

A study of ammonia and nitrate nitrogen for cotton: I, Influence on absorption of other elements. K. T. Holley, T. A. Pickett, and T. G. Dulin. (Georgia Sta. Bul. 169, 14 pp., 5 figs. Dec. 1931.)

Treating cotton seed by the dusting method. N. C. Woodroof. (Georgia Sta. Bul. 170, 16 pp., 1 fig. Dec. 1931.)

Berry varieties and pest control. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 93, 4 pp., 2 figs. Dec. 1931.)

Muscadine grape varieties and culture. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 94, 6 pp., 4 figs. Dec. 1931.)

Peach varieties and culture. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 95, 14 pp., 3 figs. Dec. 1931.)

- Growing pears in Georgia. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 96, 12 pp., 5 figs. Dec. 1931.)
- Fig varieties and culture. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 97, 4 pp., 2 figs. Dec. 1931.)
- Pecan varieties and culture. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Circ. 98, 8 pp., 2 figs. Dec. 1931.)
- Forty-fourth annual report, Georgia Experiment Station, for the year 1931. H. P. Stuckey. 54 pp., 4 pls., 12 figs. 1931.
- Fertilizer experiments with ten market-garden crops in Cook County, Illinois: Spinach, lettuce, beets, peas, beans, tomatoes, peppers, carrots, potatoes, and cauliflower. J. W. Lloyd and E. P. Lewis. (Illinois Sta. Bul. 377, 36 pp., 16 figs. Feb. 1932.)
- Cauliflower for corn-belt gardens. J. W. Lloyd. (Illinois Sta. Circ. 385, 11 pp., 6 figs. Jan. 1932.)
- Carrot culture. J. W. Lloyd. (Illinois Sta. Circ. 386, 8pp., 5 figs. Feb. 1932.)
- Agricultural outlook for Illinois, 1932. (Illinois Sta. Circ. 387, 36 pp., 9 figs. Feb. 1932.)
- Directions for spraying fruits in Illinois. (Illinois Sta. Circ. 388, 22 pp., 5 figs. Feb. 1932.)
- Ground soybeans and linseed oil meal for dairy calves. J. H. Hilton, J. W. Wilbur, and S. M. Hauge. (Indiana Sta. Bul. 354, 8 pp., 4 figs. Nov. 1931.)
- Inspection of agricultural seeds. H. R. Kraybill et al. (Indiana Sta. Circ. 186, 106 pp., 1 fig. 1931.)
- Swine performance record, litter comparisons, Series II. C. C. Culbertson et al. (Iowa Sta. Leaflet 28, 8 pp. Feb. 1932.)
- Meteorological observations for January 1932. C. I. Gunness. (Massachusetts Sta. Met. Bul. 517, 4 pp. Jan. 1932.)
- Marketing Michigan beans. W. O. Hedrick. (Michigan Sta. Spec. Bul. 217, 85 pp. 12 figs. Nov. 1931.)
- Systems of farming in eastern and southern Minnesota. L. F. Garey and F. F. Elliott. (Minnesota Sta. Bul. 276, 50 pp., 10 figs. Jan. 1931.)
- Effect of height of pruning on size of berries and yield in the Latham raspberry. W. G. Brierley. (Minnesota Sta. Bul. 281, 20 pp., 9 figs. Aug. 1931.)

- Soils of Chouteau County, soil reconnaissance of Montana, preliminary report. L. F. Giesecker. (Montana Sta. Bul. 252, 63 pp., 1 fig., 1 map. Oct. 1931.)
- Arthritis in lambs (stiff lambs). (Montana Sta. Bul. 253, 8 pp., 6 figs. Dec. 1931.)
- Foot-rot in sheep. (Montana Sta. Bul. 254, 11 pp., 8 figs. Dec. 1931.)
- Prevention of disease in young lambs. (Montana Sta. Circ. 138, 14 pp., 8 figs. Dec. 1931.)
- Inspection of commercial feeding stuffs, 1931, made for the State Department of Agriculture. T. G. Phillips, T. O. Smith, and S. J. Fisher. (New Hampshire Sta. Bul. 259, 60 pp. Aug. 1931.)
- The energy and the protein content of edible food waste and mixed meals in sorority and fraternity houses. F. G. Benedict and A. G. Farr. (New Hampshire Sta. Bul. 261, 35 pp., 2 figs. Nov. 1931.)
- The sylvids and flycatchers of New Jersey. L. A. Hausman. (New Jersey Stas. Bul. 531, 32 pp., 32 figs. Dec. 1931.)
- Analyses of commercial fertilizers, fertilizer supplies, and home mixtures for 1931. C. S. Cathcart. (New Jersey Stas. Bul. 533, 39 pp. Nov. 1931.)
- Farm profits and factors influencing farm profits on 176 dairy farms in Hunterdon County. A. G. Waller and E. Rauchenstein. (New Jersey Stas. Bul. 534, 32 pp., 3 figs. Jan. 1932.)
- Results of seed and legume inoculant inspection for 1931. J. G. Fiske. (New Jersey Stas. Bul. 535, 93 pp. Jan. 1932.)
- 1932 spray schedule for peaches. T. J. Headlee, W. H. Martin, and A. J. Farley. (New Jersey Stas. Circ. 252, 4 pp. Feb. 1932.)
- 1932 spray schedule for pears. T. J. Headlee, W. H. Martin, and A. J. Farley. (New Jersey Stas. Circ. 253, 3 pp. Feb. 1932.)
- 1932 spraying recommendations for apples. T. J. Headlee, W. H. Martin, and A. J. Farley. (New Jersey Stas. Circ. 254, 8 pp. Feb. 1932.)
- 1932 spray schedule for plums and cherries. T. J. Headlee, W. H. Martin, and A. J. Farley. (New Jersey Stas. Circ. 255, 4 pp. Feb. 1932.)
- 1932 spray schedule for grapes. T. J. Headlee, W. H. Martin, and A. J. Farley. (New Jersey Stas. Circ. 256, 2 pp. Feb. 1932.)
- A two-year analysis of farm organization practices in the Middle Rio Grande Conservancy District, preliminary report. P. W. Cockerill and A. L. Walker. (New Mexico Sta. Bul. 196, 30 pp., 2 figs. Dec. 1931.)

- Forty-second annual report, agricultural experiment station of the New Mexico College of Agriculture and Mechanic Arts for the fiscal year ended June 30, 1931. F. Garcia. 76 pp., 6 figs. 1931.
- The social and economic areas of Yates County, New York. H. F. Dorn. (New York Cornell Sta. Bul. 529, 52 pp., 10 figs. Oct. 1931.)
- Virus disease control experiments in black raspberry plantings in 1931. L. M. Cooley and W. H. Rankin. (New York State Sta. Bul. 601, 6 pp. Dec. 1931.)
- Legume inoculant tests in 1931. A. W. Hofer and H. J. Conn. (New York State Sta. Bul. 602, 12 pp., 2 figs. Dec. 1931.)
- Chromosome number in the genus Cucurbita. M. L. Ruttle (Mrs Nebel). (New York State Sta. Tech. Bul. 186, 12 pp., 10 figs. Dec. 1931.)
- Life history and composition of the soybean plant. H. L. Borst and L. E. Thatcher. (Ohio Sta. Bul. 494, 96 pp., 25 figs. Nov. 1931.)
- A study of methods for the preparation of permanent soil profiles. H. J. Harper. (Oklahoma Sta. Bul. 201, 15 pp., 4 figs. Jan. 1932.)
- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 5, No. 1, 12 pp., 5 figs. Feb. 1932.)
- Dry skimmilk in ice cream. C. D. Dahle, C. C. Walts, and J. I. Keith. (Pennsylvania Sta. Bul. 271, 27 pp. Oct. 1931.)
- Some effects of intertillage on crops and soils. F. G. Merkle and C. J. Irvin. (Pennsylvania Sta. Bul. 272, 19 pp., 4 figs. Jan. 1932.)
- Tobacco seed bed management as related to wildfire control. W. S. Beach. (Pennsylvania Sta. Bul. 274, 23 pp., 12 figs. Feb. 1932.)
- Etiological studies of blackhead (enterohepatitis) in turkeys. J. P. Delaplane. (Rhode Island Sta. Bul. 233, 15 pp., 1 fig. Jan. 1932.)
- Spring seeding of alfalfa. L. R. Neel. (Tennessee Sta. Circ. 40, 2 pp. Jan. 1932.)
- Hop clover. L. R. Neel. (Tennessee Sta. Circ. 41, 4 pp. Jan. 1932.)
- Lespedeza sericea. C. A. Mooers. (Tennessee Sta. Circ. 42, 4 pp. Feb. 1932.)
- Tomato varieties and fertilizers for the Lower Rio Grande Valley of Texas. W. H. Friend. (Texas Sta. Bul. 438, 38 pp., 7 figs. Nov. 1931.)
- Commercial feeding stuffs, from September 1, 1930, to August 31, 1931. F. D. Fuller, J. Sullivan, and S. D. Pearce. (Texas Sta. Bul. 440, 205 pp. Dec. 1931.)

The relation of lime and phosphoric acid to the growth and bone development of white rats. J. K. Blum. (Texas Sta. Bul. 441, 18 pp., 1 fig. Dec. 1931.)

Truck crop investigations: The effects of heavy applications of phosphorus on the interrelation of soil reaction, growth and partial chemical composition of lettuce, beets, carrots, and snap beans. H. H. Zimmerley. (Virginia Truck Sta. Bul. 73, pp. 863-928, 9 figs. Oct. 1930.)

Truck crop investigations: Powdery mildew disease of snap beans. H. T. Cook. (Virginia Truck Sta. Bul. 74, pp. 931-940, 3 figs. Jan. 1931.)

Forty-first annual report [Washington College Agricultural Experiment Station] for the fiscal year ended June 30, 1931. E. C. Johnson et al. 84 pp. Dec. 1931.

The pistol-case bearer. E. Gould. (West Virginia Sta. Bul. 246, 12 pp., 10 figs. Dec. 1931.)

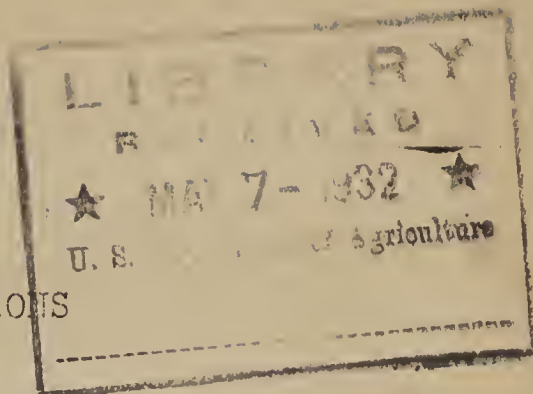
Pekwa, a new soybean. R. J. Garber and M. M. Hoover. (West Virginia Sta. Bul. 247, 8 pp., 5 figs. Jan. 1932.)

Wisconsin studies on aster diseases and their control. L. R. Jones and R. S. Riker. (Wisconsin Sta. Res. Bul. 111, 39 pp., 14 figs. Sept. 1931.)

Trees for Wyoming farmers and ranchmen. (Wyoming Sta. Circ. 25, 4 pp. Dec. 1931.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS
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- Cotton wilt studies: III, The behavior of certain cotton varieties grown on soil artificially infested with the cotton wilt organism. J. O. Ware, V. H. Young, and G. Janssen. (Arkansas Sta. Bul. 269, 51 pp., 2 figs. Feb. 1932.) Fayetteville.
- Diseases of the date palm (Phoenix dactylifera). H. S. Fawcett and L. J. Klotz. (California Sta. Bul. 522, 47 pp., 23 figs. Mar. 1932.) Berkeley.
- General properties of some tropical and subtropical fruits of Florida. C. D. Abbott. (Florida Sta. Bul. 237, 32 pp., 5 figs. June 1931.) Gainesville.
- Florida truck crop competition: II, Intra-State. J. L. Wann. (Florida Sta. Bul. 238, 86 pp., 20 figs. Aug. 1931.) Gainesville.
- Heat treatment for controlling the insect pests of stored corn. E. F. Grossman. (Florida Sta. Bul. 239, 24 pp., 11 figs. Sept. 1931.) Gainesville.
- Hibernation of the cotton boll weevil under controlled temperature and humidity. E. F. Grossman. (Florida Sta. Bul. 240, 19 pp., 4 figs. Oct. 1931.) Gainesville.
- Methods for making counts of boll weevil infestation. E. F. Grossman. (Florida Sta. Bul. 241, 22 pp. Nov. 1931.) Gainesville.
- Cotton variety tests, 1931. H. K. Brabham. (Georgia Sta. Circ. 1pp, 800. Feb. 1932.) Experiment.
- Field Studies of the beet leafhopper (Eutettix tenellus Baker). R. W. Haeghele. (Idaho Sta. Bul. 182, 51 pp., 10 figs. Feb. 1932.) Moscow.
- A study of the framework of the apple tree and its relation to longevity. W. A. Ruth and V. W. Kelley. (Illinois Sta. Bul. 376, pp. 507-636, 38 figs. Feb. 1932.) Urbana.
- Macoupin County soils. E. A. Norton, R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 50, 71 pp., 16 figs., 3 maps. Jan. 1932.) Urbana.
- Fulton County soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 51, 48 pp., 9 figs., 3 maps. Mar. 1932.) Urbana.

- A study of mortality among young pigs, the influence of wheat-germ meal on the reproduction and suckling of pigs. C. E. Aubel, J. S. Hughes, and H. F. Lienhardt. (Kansas Sta. Tech. Bul. 31, 22 pp., 3 figs. Feb. 1932.) Manhattan.
- Report of the Fruit and Truck Experiment Station, Hammond, Louisiana, 1931. B. Szymoniak. 34 pp. [1931.] Baton Rouge.
- Biennial report of the Northeast Louisiana Experiment Station, St. Joseph, Louisiana, 1930-1931. C. B. Haddon. 16 pp. [1932.] Baton Rouge.
- Annual report of the North Louisiana Experiment Station, Calhoun, Louisiana, 1931. S. Stewart. 30 pp. [1931.] Baton Rouge.
- Biennial report of the Rice Experiment Station, Crowley, Louisiana, 1930-1931. J. M. Jenkins. 27 pp. [1932.] Baton Rouge.
- Calf feeding. M. H. Berry. (Maryland Sta. Bul. 330, pp. 13-30, 5 figs. Dec. 1931. College Park.
- Infectious laryngotracheitis carriers. C. S. Gibbs. (Massachusetts Sta. Bul. 278 pp. 163-173, 3 figs. Dec. 1931.) Amherst.
- Onion spraying and dusting experiments. W. L. Doran and A. I. Bourne. (Massachusetts Sta. Bul. 279, pp. 175-185. Dec. 1931.) Amherst.
- Meteorological observations for February 1932. C. I. Gunness and K. M. Wheeler. (Massachusetts Sta. Met. Bul. 518, 4 pp. Feb. 1932.) Amherst.
- Inspection of commercial fertilizers. H. D. Haskins. (Massachusetts Sta. Control Ser. Bul. 60, 50 pp. Dec. 1931.) Amherst.
- Investigations in the mosaic disease of bean (Phaseolus vulgaris L.) R. Nelson. (Michigan Sta. Tech. Bul. 118, 71 pp., 11 pls. Jan. 1932.) East Lansing.
- Successful farm practice in the Upper Peninsula. G. W. Putnam. (Michigan Sta. Spec. Bul. 215, 69 pp., 54 figs. Oct. 1931.) East Lansing.
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 14, No. 3, pp. 123-230, 28 figs. Feb. 1932.) East Lansing.
- The farm tractor in Minnesota. A. J. Schwantes and G. A. Pond. (Minnesota Sta. Bul. 280, 87 pp., 14 figs. Sept. 1931.) University Farm, St. Paul.
- Farm power in the Yazoo-Mississippi Delta. L. E. Long. (Mississippi Sta. Bul. 295, 30 pp., 9 figs. Nov. 1931.) State College.
- Report of the Holly Springs Branch Experiment Station, 1931. O. B. Casanova. (Mississippi Sta. Bul. 296, 12 pp. Dec. 1931.) State College.
- Report of the South Mississippi Branch Experiment Station for 1931. J. C. Robert, W. S. Anderson, and W. W. Welborne. (Mississippi Sta. Bul. 297, 13 pp. Dec. 1931.) State College.

Seepage and drainage of irrigated land. H. E. Murdock. (Montana Sta. Bul. 255, 32 pp., 24 figs. Jan. 1932.) Bozeman.

Analyses of commercial fertilizers and ground bone; analyses of agricultural lime, 1931. C. S. Cathcart. (New Jersey Stas. Bul. 536, 30 pp. Jan. 1932.) New Brunswick.

Fertilizer registrations for 1932. C. S. Cathcart. (New Jersey Stas. Bul. 538, 22 pp. Feb. 1932.) New Brunswick.

Suggestions for prospective poultry farmers. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 4, 4 pp., 1 fig. Jan. 1932.) New Brunswick.

Intestinal coccidiosis. C. B. Hudson. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 5, 4 pp. Feb. 1932.) New Brunswick.

Free range rearing of pullets. L. M. Black. (New Jersey Stas. Hints to Poultrymen, vol. 20, No. 6, 4 pp., 1 fig. Mar. 1932.) New Brunswick.

The influence of irrigation head and length of run on the use of water for alfalfa. D. W. Bloodgood and A. S. Curry. (New Mexico Sta. Bul. 197, 10 pp., 1 fig. Dec. 1931.) State College.

The control of the bean beetle in New Mexico. J. R. Douglass. (New Mexico Sta. Bul. 199, 14 pp., 14 figs. Feb. 1932.) State College.

The control of bottom rot of lettuce. G. R. Townsend and A. G. Newhall. (New York Cornell Sta. Bul. 535, 11 pp., 7 figs. Jan. 1932.) Ithaca.

Soil-acidity studies with potatoes, cauliflower, and other vegetables on Long Island. P. H. Wessels. (New York Cornell Sta. Bul. 536, 42 pp., 16 figs. Jan. 1932.) Ithaca.

The European corn borer in western New York. G. E. R. Hervey. (New York State Sta. Bul. 603, 28 pp., 7 figs. Feb. 1932.) Geneva.

Recent investigations on the control of apple scab in the Hudson Valley. J. M. Hamilton. (New York State Sta. Bul. 604, 44 pp., 3 figs. Feb. 1932.) Geneva.

Sampling milk for fat test at milk plants. J. C. Marquardt and H. L. Durham. (New York State Sta. Bul. 605, 13 pp., 4 figs. Feb. 1932.) Geneva.

Apple insects in the Hudson Valley and the Lake Champlain fruit districts. P. J. Chapman and O. H. Hammer. (New York State Sta. Bul. 606, 32 pp., 12 figs. Feb. 1932.) Geneva.

Pasteurizing and cooling milk in the vat to secure maximum creaming. J. C. Marquardt and A. C. Dahlberg. (New York State Sta. Tech. Bul. 189, 19 pp., 2 figs. Feb. 1932.) Geneva.

Fiftieth annual report, 1930-1931. C. G. Williams et al. (Ohio Sta. Bul. 497, 201 pp., 1 pl., 41 figs. Jan. 1932.) Wooster.

A market analysis of farm sales of milk to dealers in four Ohio cities. R. W. Sherman and C. G. McBride. (Ohio Sta. Bul. 498, 37 pp., 10 figs. Feb. 1932.) Wooster.

Spraying program and pest control in the orchard. (Ohio Sta. Bul. 500, 49 pp., 13 figs. Feb. 1932.) Wooster.

[Reports of Ohio county experiment farms] 1930. 36 pp. [1931.] Wooster.

Emmer (speltz) for dairy cows. T. M. Olson. (South Dakota Sta. Bul. 264, 11 pp. Sept. 1931.) Brookings.

A comparison of alfalfa, sweet clover, and sudan grass as pasture crops for dairy cows. T. M. Olson and B. L. Robinson. (South Dakota Sta. Bul. 265, 23 pp. Sept. 1931.) Brookings.

Essentials in the success of a local cooperative creamery. T. M. Olson and C. C. Totman. (South Dakota Sta. Bul. 266, 24 pp., 1 fig. Sept. 1931.) Brookings.

Spring wheat varieties for South Dakota. K. H. Klages. (South Dakota Sta. Bul. 268, 44 pp., 14 figs. Nov. 1931.) Brookings.

South Dakota Agricultural Experiment Station, annual report of the director for the fiscal year ending June 30, 1931. J. W. Wilson. 45 pp. [1931.] Brookings

New uses for the sweet potato, sweet potato jelly. G. A. Shuey. (Tennessee Sta. Circ. 43, 2 pp. Feb. 1932.) Knoxville.

Relations of buffer capacity for acids to basicity and exchangeable bases of the soil. G. S. Fraps and J. F. Fudge. (Texas Sta. Bul. 442, 54 pp., 1 fig. Mar. 1932.) College Station.

Chemical composition of soils of northwest and west central Texas. G. S. Fraps. (Texas Sta. Bul. 443, 25 pp. Mar. 1932.) College Station.

The composition and fertilizing value of sewage sludge. G. S. Fraps. (Texas Sta. Bul. 445, 23 pp. Apr. 1932.) College Station.

The receipts and expenditures of Virginia counties. R. A. Ballinger. (Virginia Sta. Bul. 202, 32 pp., 12 figs. Dec. 1931.) Blacksburg.

Leafhopper injurious to apple trees. W. J. Schoene. (Virginia Sta. Bul. 233, 34 pp., 13 figs. Jan. 1932.) Blacksburg.

Truck crop investigations: Insecticidal value of certain pyrethrum extracts. H. G. Walker. (Virginia Truck Sta. Bul. 75, pp. 945-971, 1 fig. Apr. 1931.) Norfolk

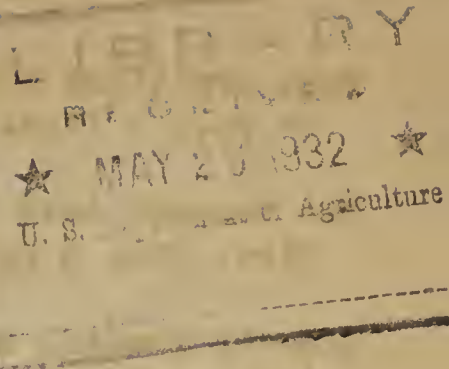
The pathogenicity and the variability of Fusarium moniliforme from corn. L. H. Leonian. (West Virginia Sta. Bul. 248, 16 pp., 6 figs. Mar. 1932.) Morgantown

Instant Bordeaux. F. J. Schneiderhan. (West Virginia Sta. Circ. 60, 8 pp., 4 figs. Mar. 1932.) Morgantown.

Forty-first annual report of the University of Wyoming Agricultural Experiment Station, 1930-1931. J. A. Hill. 62 pp. [1931.] Laramie.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING APRIL 1932



The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The post-office address of the station is given at the end of each entry.

List and analytical index of publications of the Alaska Agricultural Experiment Stations, January 1898 to July 1931. E. H. Langdale. (Alaska Stas. Circ. 3, 56 pp. Apr. 1932.) Juneau.

Proso or hog millet in Colorado. J. F. Brandon, A. Kezer, J. J. Curtis, and D. W. Robertson. (Colo. Sta. Bul. 383, 12 pp., 5 figs. Jan. 1932.) Fort Collins.

The action of strychnine on the Wyoming ground squirrel (Citellus elegans elegans). W. L. Burnett. (Colo. Sta. Bul. 384, 19 pp. Mar. 1932) Fort Collins.

Cost of pumping for irrigation in Colorado. W. E. Code. (Colo. Sta. Bul. 387, 31 pp., 12 figs. Mar. 1932.) Fort Collins.

Quality of alfalfa seed sold in Colorado, 1930-31. A. M. Lute. (Colo. Sta. Bul. 389, 29 pp. Mar. 1932.) Fort Collins.

Microchemical soil tests. M. F. Morgan. (Conn. State Sta. Bul. 333, pp. 109-132, 5 pls. Jan. 1932.) New Haven.

An economic study of the agriculture of the Connecticut Valley: 4, A history of tobacco production in New England. C. I. Hendrickson. (Conn. Storrs Sta. Bul. 174, 65 pp., 12 figs. Oct. 1931.) Storrs.

Diseases of peppers in Florida. G. F. Weber. (Fla. Sta. Bul. 244, 46 pp., 38 figs. Mar. 1932.) Gainesville.

A study of grades of peaches. R. M. Middleton. (Ga. Sta. Circ. 99, 7 pp., 4 figs. Feb. 1932.) Experiment.

Sweet potato culture in the coastal plain of Georgia. O. Woodard. (Ga. Coastal Plain Sta. Bul. 17, 52 pp., 3 figs. Feb. 1932.) Tifton.

Watermelon culture in the coastal plain of Georgia. O. Woodard. (Ga. Coastal Plain Sta. Bul. 18, 40 pp., 1 fig. Feb. 1932.) Tifton.

Methods affecting the efficiency of chlorate weed killers. H. W. Hulbert, R. S. Bristol, and L. V. Benjamin. (Idaho Sta. Bul. 189, 12 pp. Dec. 1931.) Moscow.

Codling moth life history in southwestern Idaho. C. Wakeland and P. L. Rice. (Idaho Sta. Res. Bul. 10, 56 pp., 32 figs. Jan. 1932.) Moscow.

- Farm practices that pay. H. C. M. Case and M. L. Mosher. (Ill. Sta. Circ. 389, 39 pp., 9 figs. Mar. 1932.) Urbana.
- The Babcock test for fat in milk. O. R. Overman and O. F. Garrett. (Ill. Sta. Circ. 390, 4 pp., 2 figs. Apr. 1932.) Urbana.
- Insects feeding on truck and garden crops and how to control them. C.C. Compton. (Ill. Sta. Circ. 391, 48 pp., 21 figs. Apr. 1932.) Urbana.
- Electric brooders on Indiana farms. T. E. Hienton. (Ind. Sta. Circ. 187, 4 pp., 2 figs. Feb. 1932.) LaFayette.
- Suckling pig losses and anemia. L. P. Doyle. (Ind. Sta. Circ. 188, 8 pp., 7 figs. Feb. 1932.) LaFayette.
- The pasteurization efficiencies secured with milk from individual farms. R.V. Hussong and B.W. Hammer. (Iowa Sta. Bul. 286, pp. 347-358. Dec. 1931.) Ames.
- The effect of processing, handling, and of testing procedures on the fat content of ice cream. E. W. Bird and E. A. Johnson. (Iowa Sta. Bul. 287, pp. 361-383. Dec. 1931.) Ames.
- Bacteriology of butter: IV, Bacteriological studies on surface taint butter. H. A. Derby and B. W. Hammer. (Iowa Sta. Res. Bul. 145, pp. 385-416. Dec. 1931.) Ames.
- Studies on the development of butter cultures from mixtures of organisms. R. S. Farmer and B. W. Hammer. (Iowa Sta. Res. Bul. 146, 24 pp. Dec. 1931.) Ames.
- Methods for determining carbon dioxide production in soils. F. B. Smith and P. E. Brown. (Iowa Sta. Res. Bul. 147, pp. 25-52, 3 figs. Jan. 1932.) Ames.
- Some chemical and bacteriological effects of various kinds and amounts of lime on certain southern Iowa soils: Part I, Laboratory and greenhouse experiments. R. H. Walker, P. E. Brown, and A. W. Young. (Iowa Sta. Res. Bul. 148, pp. 57-120, 12 figs. Feb. 1932.) Ames.
- The pathogenicity of Fusarium nivium (EFS) and the development of wilt resistant strains of Citrullus vulgaris (Schrad.). D. R. Porter and I. E. Melhus. (Iowa Sta. Res. Bul. 149, pp. 121-184a, 12 figs. Feb. 1932.) Ames.
- Length and floor construction of dairy stalls. H. Giese and C. Y. Cannon. (Iowa Sta. Res. Bul. 150, pp. 185-209, 24 figs. Feb. 1932.) Ames.
- A survey of Iowa's poultry industry. W. D. Termohlen and P. L. Miller. (Iowa Sta. Circ. 133, 32 pp., 17 figs. Nov. 1931.) Ames.
- Asparagus insects in Iowa. C. J. Drake and H. M. Harris. (Iowa Sta. Circ. 134, 12 pp., 8 figs. Feb. 1932.) Ames.
- Report on agricultural research, fiscal year ending June 30, 1931 (Iowa Agricultural Experiment Station annual report). C. F. Curtiss et al. 128 pp., 19 figs. [1931.] Ames.
- An analysis of clover failure in Kentucky. E. N. Fergus. (Ky. Sta. Bul. 324, pp. 439-476, 3 figs. Nov. 1931.) Lexington.

Report of the [Louisiana] Agricultural Experiment Station for the years 1929-1931. C. T. Dowell et al. 140 pp., 6 figs. [1931.] Baton Rouge.

Meteorological observations for March 1932. C. I. Gunness and K. M. Wheeler. (Mass. Sta. Met. Bul. 519, 4 pp. Mar. 1932.) Amherst.

Spray injury studies: I, Injuries from summer applications on apples. W. C. Dutton. (Mich. Sta. Spec. Bul. 218, 68 pp., 21 figs. Jan. 1932.) East Lansing.

Spray injury studies: II, Secondary effects of spray injury to apple foliage. W. C. Dutton. (Mich. Sta. Spec. Bul. 219, 38 pp., 17 figs. Feb. 1932.) East Lansing.

Tomato diseases in Michigan. M. C. Strong. (Mich. Sta. Circ. 139, 23 pp., 12 figs. Feb. 1932.) East Lansing.

Home production of the family's food supply. M. Dye et al. (Mich. Sta. Circ. 140, 36 pp., 8 figs. Feb. 1932.) East Lansing.

The dissociation of Salmonella pullorum and related species. W. L. Mallmann. (Mich. Sta. Tech. Bul. 122, 40 pp. Feb. 1932.) East Lansing.

The diagnosis of Brucella infection in animals and man by rapid macroscopic agglutination. I. F. Huddleson. (Mich. Sta. Tech. Bul. 123, 18 pp., 7 figs. Jan. 1932.) East Lansing.

Control of basal-rot of narcissus. L. E. Miles. (Miss. Sta. Tech. Bul. 19, 12 pp., 3 figs. Feb. 1932.) State College.

Home orchard income. T. J. Talbert. (Mo. Sta. Bul. 307, 12 pp., 2 figs. Mar. 1932.) Columbia.

Registration, labeling, inspection, and sale of commercial fertilizers, 1931. F. B. Mumford and L. D. Haigh. (Mo. Sta. Bul. 308, 32 pp. Mar. 1932.) Columbia.

The value of dried skim milk for fattening poultry. E. M. Funk, H. L. Kempster, and C. G. Bryan. (Mo. Sta. Bul. 309, 23 pp., 4 figs. Apr. 1932.) Columbia.

Behavior of potassium and sodium during the process of soil formation. H. Jenny. (Mo. Sta. Res. Bul. 162, 63 pp., 26 figs. Oct. 1931.) Columbia.

Cytological observations of deficiencies involving known genes, translocations and inversion in Zea mays. B. McClintock. (Mo. Sta. Res. Bul. 163, 30 pp., 39 figs. Dec. 1931.) Columbia.

The influence of age at first calving on milk secretion. C. W. Turner. (Mo. Sta. Res. Bul. 164, 39 pp., 13 figs. Feb. 1932.) Columbia.

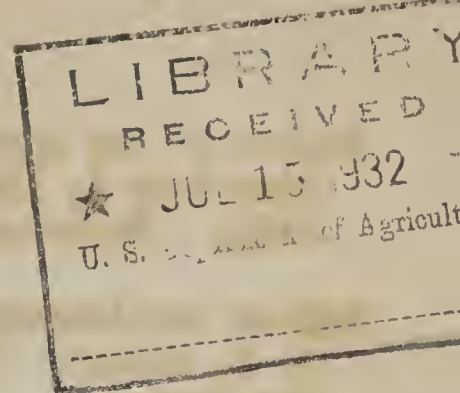
Cost of marketing livestock by truck and rail. F. L. Thomson and W. R. Fankhanel. (Mo. Sta. Res. Bul. 165, 32 pp., 15 figs. Mar. 1932.) Columbia.

Cooling milk on Nebraska farms. P. A. Downs and E. B. Lewis. (Nebr. Sta. Bul. 266, 31 pp., 19 figs. Jan. 1932.) Lincoln.

- A summary of the standard of living in Nebraska farm homes. J. O. Rankin and E. H. Hinman. (Nebr. Sta. Bul. 267, 36 pp., 11 figs. Jan. 1932.) Lincoln.
- Lamb feeding experiments with grains and dried beet pulps. J. A. Holden. (Nebr. Sta. Bul. 268, 15 pp., 1 fig. Mar. 1932.) Lincoln.
- Studies of prairie hay in north central Nebraska. F. D. Keim, A. L. Frolik, and G. W. Beadle. (Nebr. Sta. Res. Bul. 60, 54 pp., 2 figs. Mar. 1932.) Lincoln.
- An economic study of dairy farming in Grafton County, New Hampshire, 1930. M. G. Eastman. (N. H. Sta. Bul. 260, 102 pp., 14 figs. Dec. 1931.) Durham.
- Inspection of commercial fertilizers for 1931, made for the State Department of Agriculture. T. O. Smith and S. J. Fisher. (N. H. Sta. Bul. 263, 15 pp. Dec. 1931.) Durham.
- Corn varieties for grain, fodder and silage. H. B. Sprague, N. F. Farris, W. G. Colby, and N. Curtis. (N. J. Stas. Bul. 537, 46 pp., 15 figs. Feb. 1932.) New Brunswick.
- Recommended varieties of field crops for New Jersey. H. B. Sprague. (N. J. Stas. Circ. 257, 15 pp. Mar. 1932.) New Brunswick.
- Cherry variety test. A. B. Fite and F. Garcia. (N. Mex. Sta. Bul. 198, 16 pp., 3 figs. Jan. 1932.) State College.
- The use of cottonseed meal, cottonseed hulls, and molasses in fattening rations for New Mexico range lambs. P. E. Neale. (N. Mex. Sta. Bul. 200, 11 pp. Feb. 1932.) State College.
- A statistical analysis of the results of breeding high-line and low-line Leghorns. D. R. Marble and G. O. Hall. (N. Y. Cornell Sta. Bul. 533, 38 pp., 17 figs. Dec. 1931.) Ithaca.
- The chemical composition of the muck soils of New York. B. D. Wilson and E. V. Staker. (N. Y. Cornell Sta. Bul. 537, 26 pp., 14 figs. Jan. 1932.) Ithaca.
- Grafting American grapes on vigorous stocks. F. E. Gladwin. (N. Y. State Sta. Bul. 607, 28 pp. Feb. 1932.) Geneva.
- The quality of vegetable seeds on sale in New York in 1931. M. T. Munn, C. H. Sipple, and M. E. Woodbridge. (N. Y. State Sta. Bul. 608, 32 pp. Mar. 1932.) Geneva.
- Growing of greenhouse tomatoes. I. C. Hoffman. (Ohio Sta. Bul. 499, 28 pp., 5 figs. Feb. 1932.) Wooster.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 155, pp. 33-77, 9 figs. Mar.-Apr. 1932.) Wooster.
- Growing turkeys in confinement. R. B. Thompson, E. E. Schnetzler, and W. P. Albright. (Okla. Sta. Bul. 202, 16 pp., 17 figs. Mar. 1932.) Stillwater.

- Current Farm Economics, Oklahoma. (Okla. Sta. Cur. Farm Econ., vol. 5, No. 2, pp. 13-24, 3 figs. Apr. 1932.) Stillwater.
- Fiftieth anniversary of the Jordan soil fertility plots. (Pa. Sta. Bul. 273, 56 pp., 1 pl., 5 figs. Jan. 1932.) State College.
- Factors influencing the vitamin content of foods. R. A. Dutcher. (Pa. Sta. Bul. 275, 24 pp., 8 figs. Mar. 1932.) State College.
- Forty-fourth annual report of the director of the [Rhode Island] Agricultural Experiment Station, 1931. B. E. Gilbert. pp. 39-62. 1932. Kingston.
- Sudan grass for summer pasture. L. R. Neel. (Tenn. Sta. Circ. 44, 4 pp. Mar. 1932.) Knoxville.
- Economic phases of the mohair industry in Texas. T. R. Hamilton. (Tex. Sta. Bul. 444, 32 pp., 8 figs. Mar. 1932.) College Station.
- Stomach worms in sheep and goats. W. T. Hardy and E. Schmidt. (Tex. Sta. Bul. 448, 16 pp., 1 fig. Apr. 1932.) College Station.
- The relation of nutrition to contagious cattle abortion. E. B. Hart, F. B. Hadley, and G. C. Humphrey. (Wis. Sta. Res. Bul. 112, 45 pp., 6 figs. Jan. 1932.) Madison.
- An economic study of the Milwaukee milk market. W. P. Mortenson. (Wis. Sta. Res. Bul. 113, 56 pp., 19 figs. Jan. 1932.) Madison.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING MAY 1932

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The post-office address of the station is given at the end of each entry.

- Irrigation investigations in young grapefruit orchards on the Yuma Mesa. G. E. P. Smith, A. F. Kinnison, and A. G. Carns. (Ariz. Sta. Tech. Bul. 37, pp. 413-591, 36 figs. Dec. 1931.) Tucson.
- Electrodialysis as a measure of phosphate availability in soils and the relation of soil reaction and ionization of phosphates to phosphate assimilation. W. T. McGeorge. (Ariz. Sta. Tech. Bul. 38, pp. 593-630, 16 figs. Mar. 1932.) Tucson.
- Marketing globe artichokes. E. A. Stokdyk. (Calif. Sta. Bul. 524, 66 pp., 10 figs. Apr. 1932.) Berkeley.
- Spacing studies with asparagus. H. A. Jones, (Calif. Sta. Bul. 525, 13 pp., 2 figs. Apr. 1932.) Berkeley.
- Planting season for sugar beets in central California. K. Esau. (Calif. Sta. Bul. 526, 20 pp., 3 figs. Apr. 1932.) Berkeley.
- Physical and chemical changes in the ripening of deciduous fruits. F. W. Allen. (Hilgardia [Calif. Sta.], vol. 6, No. 13, pp. 381-441, 3 figs. Apr. 1932.) Berkeley.
- The structure and development of flowers in Ficus carica L. I. J. Condit. (Hilgardia [Calif. Sta.], vol. 6, No. 14, pp. 443-481, 10 figs. Apr. 1932.) Berkeley.
- Some nutritional aspects in mottle-leaf and other physiological diseases of citrus. A. R. C. Haas. (Hilgardia [Calif. Sta.], vol. 6, No. 15, pp. 483-559, 35 figs. Apr. 1932.) Berkeley.
- Relation of specific gravity to the quality of dried prunes. P. F. Nichols and H. M. Reed. (Hilgardia [Calif. Sta.], vol. 6, No. 16, pp. 561-583, 9 figs. Apr. 1932.) Berkeley.
- The control of the citrophilus mealybug, Pseudococcus gahani, by Australian parasites. H. Compere and H. S. Smith. (Hilgardia [Calif. Sta.], vol. 6, No. 17, pp. 585-618, 7 figs. May 1932.) Berkeley.
- The role of fire in the redwood region. E. Fritz. (Calif. Sta. Circ. 323, 23 pp., 12 figs. Apr. 1932.) Berkeley.

Report of the Agricultural Experiment Station of the University of California from July 1, 1930, to June 30, 1931. C. B. Hutchison. 118 pp., 3 figs. 1932. Berkeley.

Potash requirements of the tobacco crop. P. J. Anderson, T. R. Swanback, and O. E. Street. (Conn. State Sta. Bul. 334, pp. 137-217, 3 figs. Feb. 1932.) New Haven.

Tobacco Substation at Windsor, report for 1931. P. J. Anderson, T. R. Swanback, and O. E. Street. (Conn. State Sta. Bul. 335, pp. 223-274, 13 figs. Mar. 1932.) New Haven.

The pigeon pea (Cajanus indicus), its improvement, culture and utilization in Hawaii. F. G. Krauss. (Hawaii Sta. Bul. 64, 46 pp., 1 pl., 18 figs. Mar. 1932.) Honolulu.

Poultry feed supplements, avocados, bananas, papayas, and sweetpotatoes as supplementary feeds for poultry in Hawaii. C. M. Bice. (Hawaii Sta. Circ. 4, 24 pp., 14 figs. Apr. 1932.) Honolulu.

Report of the Hawaii Agricultural Experiment Station, 1931. J. M. Westgate et al. 38 pp., 17 figs. Apr. 1932. Honolulu.

Physiological studies of the cracking of sweet cherries. L. Verner and E. C. Blodgett. (Idaho Sta. Bul. 184, 15 pp., 3 figs. Nov. 1931.) Moscow.

Controlling the firebrat in buildings by means of poisoned bait. C. Wakeland and H. Waters. (Idaho Sta. Bul. 185, 15 pp., 4 figs. Nov. 1931.) Moscow.

Tillage methods for high altitude dry farming. W. A. Moss. (Idaho Sta. Bul. 186, 11 pp., 1 fig. Oct. 1931.) Moscow.

The removal of arsenical residue from apples. R. S. Snyder and H. P. Magnuson. (Idaho Sta. Bul. 187, 20 pp. Nov. 1931.) Moscow.

Idaho pure seed law. (Idaho Sta. Circ. 65, 8 pp. Aug. 1932.) Moscow.

Irrigation pumping plants. M. R. Kulp. (Idaho Sta. Circ. 66, 23 pp., 6 figs. Sept. 1931.) Moscow.

Publications available for free distribution. (Idaho Sta. Circ. 67, 4 pp. Nov. 1931.) Moscow.

Calhoun County soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Ill. Sta. Soil Rpt. 53, 18 pp., 7 figs., 2 maps. May 1932.) Urbana.

Report on agricultural research [Annual Report Iowa Station for the year ending June 30, 1931. C. F. Curtiss et al. 128 pp., 17 figs. 1931. Ames.

Farm production and consumption of poultry in Kansas. M. Evans and H. L. Collins. (Kans Sta. Bul. 256, 34 pp., 12 figs. Jan. 1932.) Manhattan.

Twenty years of testing varieties and strains of winter wheat at the Kansas Agricultural Experiment Station. S. C. Salmon and H. H. Laude. (Kans. Sta. Tech. Bul. 30, 73 pp., 14 figs. Feb. 1932.) Manhattan.

Korean lespedeza. A. E. Aldous. (Kans. Sta. Circ. 163, 7 pp. Jan. 1932.)
Manhattan.

The forty-fourth annual report of the University of Maryland Agricultural Experiment Station, 1930-1931. H. J. Patterson et al. xxxvii, 482 pp., 111 figs. [1931.] College Park.

Annual report for the fiscal year ending Nov. 30, 1931. F. J. Sievers et al. (Mass. Sta. Bul. 280, pp. 189-250. Feb. 1932.) Amherst.

Meteorological observations for April, 1932. C. I. Gunness and K. M. Wheeler, (Mass. Sta. Met. Bul. 520, 4 pp. Apr. 1932.) Amherst.

Inspection of agricultural lime products. H. D. Haskins and H. R. DeRose. (Mass. Sta. Control Ser. Bul. 61, 6 pp. Dec. 1931.) Amherst.

An economic study of livestock possibilities in the Red River Valley of Minnesota. G. A. Sallee, G. A. Pond, and C. W. Crickman. (Minn. Sta. Bul. 283, 58 pp., 24 figs. Sept. 1931.) University Farm, St. Paul.

University of Minnesota Agricultural Experiment Station thirty-ninth annual report, July 1, 1930, to June 30, 1931. A. Boss. 87 pp., [1931] University Farm, St. Paul.

Experiment station research: The report of the director for the year ending June 30, 1931. F. B. Mumford et al. (Missouri Sta. Bul. 310, 67 pp., 1 fig. Apr. 1932.) Columbia.

Pollination of the McIntosh apple. F. M. Harrington and W. E. Pollinger. (Mont. Sta. Bul. 256, 12 pp. Feb. 1932.) Bozeman.

The use of tankage and alfalfa when hogging down corn. L. Vinke and G. Morgan. (Mont. Sta. Bul. 257, 19 pp., 1 fig. Mar. 1932.) Bozeman.

The economics of bean production and marketing in Montana. R. R. Renne. (Mont. Sta. Bul. 258, 47 pp., 24 figs. Mar. 1932.) Bozeman.

A progress report on the phosphate deficiency of Montana soils. I. J. Nygard. (Mont. Sta. Bul. 259, 27 pp., 9 figs. Apr. 1932.) Bozeman.

Method and purpose of a soil survey. W. DeYoung. (Mont. Sta. Circ. 139, 11 pp., 6 figs. Jan. 1932.) Bozeman.

Hatching turkey eggs. F. E. Mussehl. (Nebr. Sta. Bul. 269, 7 pp. Apr. 1932.) Lincoln.

A seven-year study of a milk supply. P. A. Downs. (Nebr. Sta. Bul. 270, 23 pp., 5 figs. Apr. 1932.) Lincoln.

Hog feeding experiments. F. B. Headley. (Nevada Sta. Bul. 125, 30 pp., 14 figs. Jan. 1932.) Reno.

Receipts and costs on Nevada range cattle ranches for the years 1928, 1929 and 1930. C. A. Brennen et al. (Nev. Sta. Bul. 126, 25 pp., 7 figs. Mar. 1932.) Reno.

Production of crops and livestock on the Newlands project, 1931. C. Venstrom.
(Nev. Sta. Bul. 127, 26 pp., 4 figs. Apr. 1932.) Reno.

Annual report of the Board of Control [Nevada Agricultural Experiment Station]
for the fiscal year ending June 30, 1931. S. B. Doten et al. 29 pp. 1932.
Reno.

Studies of contact insecticides: IV, Sodium soaps of the normal saturated fatty
acids, contact performance on paraffin and on the larva of the meal worm,
Tenebrio molitor Linn. W. C. O'Kane and W. A. Westgate. (N. H. Sta. Tech.
Bul. 48, 4 pp., 2 figs. Mar. 1932.) Durham.

Certification of poultry. F. D. Reed. (N. H. Sta. Circ. 38, 4 pp., 3 figs.
May 1932.) Durham.

Fertilizer materials and mixed fertilizers. A. W. Blair. (N. J. Stas. Bul. 541,
40 pp., 11 figs. May 1932.) New Brunswick.

Cotton investigations. J. C. Overpeck and W. T. Conway. (N. Mex. Sta. Bul. 201,
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(N. Y. State Sta. Bul. 609, 16 pp., 6 figs. Mar. 1932.) Geneva.

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14 figs. Jan. 1932.) Geneva.

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(N. Y. State Sta. Tech. Bul. 191, 27 pp. Mar. 1932.) Geneva.

Direct tree injection in the study of tree nutrition problems. R. C. Collison,
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The farm home. F. A. Cuthbert. (Oreg. Sta. Bul. 293, 56 pp., 36 figs. Mar. 1932.) Corvallis.

A strawberry disease caused by Rhizoctonia. S. M. Zeller. (Oreg. Sta. Bul. 295, 22 pp., 9 figs. Mar. 1932.) Corvallis.

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The shrubs and climbing vines of South Dakota. N. E. Hansen. (S. Dak. Sta. Bul. 263, 135 pp., 14 figs. Aug. 1932.) Brookings.

Trees and shrubs in northwest Texas. D. L. Jones, F. Gaines, and R. E. Karper. (Tex. Sta. Bul. 447, 63 pp., 26 figs. Apr. 1932.) College Station.

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Growing alfalfa-seed. J. W. Carlson. (Utah Sta. Circ. 97, 20 pp., 7 figs. Mar. 1932.) Logan.

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The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The post-office address of the station is given at the end of each entry.

- Oat production in Alaska. F. L. Higgins. (Alaska Stas. Bul. 10. 1932.) Juneau.
- Variations in moisture and nitrate content of field soils receiving different methods of cultivation. R. P. Bartholomew. (Ark. Sta. Bul. 270. 1932.) Fayetteville.
- Abundance of the boll weevil in relation to summer weather and to food. D. Isely. (Ark. Sta. Bul. 271. 1932.) Fayetteville.
- Cotton wilt studies: IV, Effect of fertilizers on cotton wilt. V. H. Young, G. Janssen, and J. O. Ware. (Ark. Sta. Bul. 272. 1932.) Fayetteville.
- The relation of nitrogen, phosphorus, and potassium to the fruiting of cotton. M. Nelson and J. O. Ware. (Ark. Sta. Bul. 273. 1932.) Fayetteville.
- Series on California crops and prices: Swine. E. C. Voorhies and M. H. Blank. (Calif. Sta. Bul. 528. 1932.) Berkeley.
- The tank-mixture method of using oil spray. R. H. Smith. (Calif. Sta. Bul. 527. 1932.) Berkeley.
- The puncture vine in California. E. Johnson. (Calif. Sta. Bul. 528. 1932.) Berkeley.
- Maturity tests for table grapes. A. J. Winkler. (Calif. Sta. Bul. 529. 1932.) Berkeley.
- Verticillium wilt of strawberries. H. E. Thomas. (Calif. Sta. Bul. 530. 1932.) Berkeley.
- Walnut dehydrators: Characteristics, heat sources, and relative costs. P. F. Nichols, B. D. Moses, and D. S. Glenn. (Calif. Sta. Bul. 531. 1932.) Berkeley.
- An analysis of the East Bay milk market. J. M. Tinley and M. H. Blank. (Calif. Sta. Bul. 534. 1932.) Berkeley.
- The pear leaf blister mite as a cause of fruit-bud injury. A. D. Borden. (Calif. Sta. Circ. 324. 1932.) Berkeley.
- Construction and operation of electric brooders. J. E. Dougherty and B. D. Moses. (Calif. Sta. Circ. 325. 1932.) Berkeley.
- Parshall flumes of large size. R. L. Parshall. (Colo. Sta. Bul. 386. 1932.) Fort Collins.
- Cost of pumping for irrigation in Colorado, with data. W. E. Code. (Colo. Sta. Bul. 388. 1932.) Fort Collins.
- Commercial feeding stuffs, report on inspection, 1931. E. M. Bailey. (Conn. State Sta. Bul. 336. 1932.) New Haven.
- Report of the Director for the year ending October 31, 1931. W. L. Slate. (Conn. State Sta. Bul. 337. 1932.) New Haven.
- A record of the Guernsey herd at the Connecticut Agricultural College. G. C. White and C. Oliver. (Conn. Storrs Sta. Bul. 175. 1931.) Storrs.
- Life history and habits of the plum curculio in Delaware. H. L. Dozier, L. L. Williams, and H. G. Butler. (Del. Sta. Bul. 175. 1932.) Newark.
- Life history of the grape-berry moth in Delaware. H. L. Dozier, L. L. Williams, and H. G. Butler. (Del. Sta. Bul. 176. 1932.) Newark.

- The influence of lime, fertilizer, and manure on the buffer action of a soil. H. C. Harris. (Del. Sta. Bul. 177. 1932.) Newark.
- Farmers' cooperative associations in Florida: I, Status and legal phases. M. A. Brooker and H. G. Hamilton. (Fla. Sta. Bul. 245. 1932.) Gainesville.
- University of Florida Agricultural Experiment Station, 45th annual report for the fiscal year ending June 30, 1931. W. Newell et al. [1931.] Gainesville.
- Alfalfa wilt as influenced by soil temperature and soil moisture. B. Koehler and F. R. Jones. (Ill. Sta. Bul. 378. 1932.) Urbana.
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- Comparisons of methods of making spray applications. H. A. Cardinell and H. P. Gaston. (Mich. Sta. Spec. Bul. 220. 1932.) East Lansing.
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- An economic study of crop production in the Red River Valley of Minnesota. G. A. Pond, G. A. Salles, and C. W. Crickman. (Minn. Sta. Bul. 282. 1931.) University Farm, St. Paul.
- The Tabanidae (horseflies) of Minnesota, with special reference to their biologies and taxonomy. C. B. Philip. (Minn. Sta. Tech. Bul. 80. 1931.) University Farm, St. Paul.
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- The calcium requirement of brood sows. A. G. Hogan. (Mo. Sta. Res. Bul. 167. 1932.) Columbia.
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- Annual forage crops under irrigation. J. E. Norton. (Mont. Sta. Bul. 261. 1932.) Bozeman.
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- Manual for milk testers in New Jersey. H. H. Tucker. (N. J. Stas. Bul. 539. 1932.) New Brunswick.

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- Farm profits and factors influencing farm profits on 98 dairy farms in Sussex County. A. G. Waller and E. Rauchenstein. (N. J. Stas. Bul. 542. 1932.) New Brunswick.
- Plans and specifications for two types of trapnest. W. C. Thompson. (N. J. Stas. Hints to Poultrymen, vol. 20, No. 7. 1932.) New Brunswick.
- Vaccinating against fowl pox. F. R. Beaudette. (N. J. Stas. Hints to Poultrymen, vol. 20, No. 8. 1932.) New Brunswick.
- The New Jersey collapsible summer shelter. L. M. Black. (N. J. Stas. Hints to Poultrymen, vol. 20, No. 9. 1932.) New Brunswick.
- Dahlias in the garden. C. H. Connors. (N. J. Stas. Circ. 258. 1932.) New Brunswick.
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- The efficiency of alfalfa leaf meal and alfalfa meal as substitutes for green feed in rations for laying hens. L. N. Berry. (N. Mex. Sta. Bul. 203. 1932.) State College.
- Economics of sheep production in western New Mexico. A. L. Walker, J. L. Lantow, and K. P. Pickrell. (N. Mex. Sta. Bul. 204. 1932.) State College.
- Production and marketing of field beans in New York. H. N. Young. (N. Y. Cornell Sta. Bul. 532. 1931.) Ithaca.
- An analysis of the characters of the inflorescence and the fruiting habit of some varieties of greenhouse tomatoes. A. G. P. Bouquet. (N. Y. Cornell Sta. Mem. 139. 1932.) Ithaca.
- Multiple correlation analysis as applied to farm-management research. S. W. Warren. (N. Y. Cornell Sta. Mem. 141. 1932.) Ithaca.
- Spray and other deposits on fruit. L. R. Streeter, P. J. Chapman, S. W. Harman, and G. W. Pearce. (N. Y. State Sta. Bul. 611. 1932.) Geneva.
- Sterilization of dairy farm utensils with dry heat. A. C. Dahlberg and J. C. Marquardt. (N. Y. State Sta. Bul. 612. 1932.) Geneva.
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- The vegetables of New York: Vol. 1, Part II, Beans of New York. (N. Y. State Sta., 1931.) U. P. Hedrick et al. Geneva.
- Classes and grades of cattle and calves marketed from North Dakota, 1929. H. G. Anderson and A. H. Benton. (N. Dak. Sta. Bul. 254. 1932.) State College Station, Fargo.
- Diseases of grain and forage crops in North Dakota. W. Weniger. (N. Dak. Sta. Bul. 255. 1932.) State College Station, Fargo.
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- Field experiments in agronomy. (Ohio Sta. Spec. Circ. 38. 1932.) Wooster.
- Swine feeding experiments, 1931. W. L. Robison. (Ohio Sta. Spec. Circ. 39. 1932.) Wooster.
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- Factors affecting the accumulation of nitrate nitrogen in high plains soils. H. H. Finnell. (Okla. Sta. Bul. 203. 1932.) Stillwater.
- Preliminary experiments in the transmission of anaplasmosis by horseflies. C. E. Sanborn, G. W. Stiles, jr., and L. H. Moe. (Okla. Sta. Bul. 204. 1932.) Stillwater.
- Current farm economics. (Okla. Sta. Cur. Farm Econ., vol. 5, No. 3. 1932.) Stillwater.
- Potato virus diseases, Oregon investigations 1924-1929. M. B. McKay and T. P. Dykstra. (Oreg. Sta. Bul. 294. 1932.) Corvallis.
- The strawberry crown moth. J. Wilcox, K. W. Gray, and D. C. Mote. (Oreg. Sta. Bul. 296. 1932.) Corvallis.
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- Arsenical spray residue on cherries. R. H. Robinson. (Oreg. Sta. Bul. 298. 1932.) Corvallis.
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- Report of the Porto Rico Agricultural Experiment Station, 1931. T. B. McClelland et al. 1932. Mayaguez.
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- The more important diseases of apples in Tennessee. C. D. Sherbakoff. (Tenn. Sta. Bul. 145. 1932.) Knoxville.
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- Availability to plants of potash in polyhalite. G. S. Fraps. (Tex. Sta. Bul. 449. 1932.) College Station.
- Economic efficiency of Texas country banks. V. P. Lee. (Tex. Sta. Bul. 450. 1932.) College Station.
- The "Winter Garden" region of Texas. E. Mortensen. (Tex. Sta. Circ. 62. 1932.) College Station.
- Approved formulas for special-purpose mixed feeds. F. D. Fuller. (Tex. Sta. Circ. 63. 1932.) College Station.
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- Truck crop investigations: The diseases of sweet potatoes in Virginia and methods for their control. H. T. Cook. (Va. Truck Sta. Bul. 76. 1931.) Norfolk.

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- Report of the Virgin Islands Agricultural Experiment Station, 1931. J. R. Ricks et al. 1932. Box E, Christiansted, St. Croix.
- Potato flea-beetles in Washington. R. L. Webster, W. M. Baker, and A. J. Hanson. (Wash. Col. Sta. Bul. 261. 1932.) Pullman.
- Grain elevating machinery for the Palouse country. H. L. Garver. (Wash. Col. Sta. Bul. 262. 1932.) Pullman.
- A simplified method of standardizing ice cream mixes and correcting offbatch-
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- The importance of lenticel infection of apples by Penicillium expansum. K. F. Baker and F. D. Heald. (Wash. Col. Sta. Bul. 264. 1932.) Pullman.
- Efficiency of cooperative livestock shipping associations in West Virginia. W. W. Armentrout. (W. Va. Sta. Bul. 249. 1932.) Morgantown.
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- Meeting agriculture's old and new problems with the aid of science: Annual report of the director, 1930-1931, [Wisconsin] Agricultural Experiment Station. C. L. Christensen and N. Clark. (Wis. Sta. Bul. 421. 1932.) Madison.
- Recreation as a land use. G. S. Wehrwein and K. H. Parsons. (Wis. Sta. Bul. 422. 1932.) Madison.
- Barley tests at the Sheridan Field Station. R. S. Towle and R. M. Williams. (Wyo. Sta. Bul. 185. 1932.) Laramie.
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- The metabolism of honeybees in winter cluster. C. L. Corkins and C. S. Gilbert. (Wyo. Sta. Bul. 187. 1932.) Laramie.
- Studies with Hampshire sheep, No. II. F. S. Hultz and J. A. Gorman. (Wyo. Sta. Bul. 188. 1932.) Laramie.
- Three poisonous vetches. O. A. Beath. J. H. Draize, and H. F. Eppson. (Wyo. Sta. Bul. 189. 1932.) Laramie.
- Publications of the Wyoming Agricultural Experiment Station and State Farms, and index to Bulletins 122-187, Annual reports 30-41, Circulars 16-25, and State Farms Bulletins 1-7. J. M. Neal. (Wyo. Sta. Bul. G. 1932.) Laramie.

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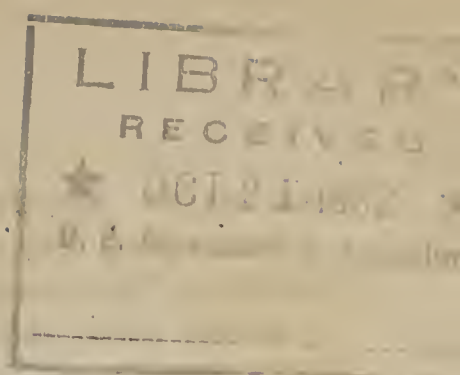
- Factors related to income and costs of production on farms in Marshall and DeKalb Counties, Alabama, 1927-1929. C. G. Garman. (Ala. Sta. Bul. 236. 1932.) Auburn.
- The pecan in Arizona. A. F. Kinnison and A. H. Finch. (Ariz. Sta. Bul. 140. 1932.) Tucson.
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- A cherry pest in Colorado. G. M. List. (Colo. Sta. Bul. 385. 1932.) Fort Collins.
- Red-clover pollination by honeybees in Colorado. R. G. Richmond. (Colo. Sta. Bul. 391. 1932.) Fort Collins.
- Type, variety, maturity and physiological anatomy of citrus fruits as affecting quality of prepared citrus juices. A. F. Camp et al. (Fla. Sta. Bul. 243. 1932.) Gainesville.
- A study of range cattle management in Alachua County, Florida. P. D. Camp. (Fla. Sta. Bul. 248. 1932.) Gainesville.
- Causes of damage to fruits and vegetables during shipment. J. W. Lloyd and H. M. Newell. (Ill. Sta. Bul. 379. 1932.) Urbana.
- Price differences between four hog markets used by Illinois stockmen, Chicago, East St. Louis, Indianapolis, and Cincinnati. L. J. Norton and R. C. Ashby. (Ill. Sta. Bul. 380. 1932.) Urbana.
- Air circulation and temperature conditions in refrigerated carloads of fruit. H. M. Newell and J. W. Lloyd. (Ill. Sta. Bul. 381. 1932.) Urbana.
- Crop yields from Illinois soil experiment fields in 1931, together with a general summary for the rotation periods ending in 1931. F. C. Bauer. (Ill. Sta. Bul. 382. 1932.) Urbana.
- Soft water for the home. A. M. Buswell and E. W. Lehmann. (Ill. Sta. Circ. 393. 1932.) Urbana.
- Reducing costs of corn husking. P. E. Johnston. (Ill. Sta. Circ. 396. 1932.) Urbana.
- A field and laboratory test on plant material for diagnosing phosphorus deficiencies. S. F. Thornton. (Ind. Sta. Bul. 355. 1932.) LaFayette.
- Dusting vs. spraying of apples, 1927-1931. C. L. Burkholder. (Ind. Sta. Bul. 356. 1931.) LaFayette.
- Cooperative shipping of eggs in Indiana. E. R. Menefee. (Ind. Sta. Bul. 357. 1932.) LaFayette.
- Factors affecting shrinkage in shipping hogs by rail. J. R. Wiley. (Ind. Sta. Bul. 358. 1932.) LaFayette.
- Economic utilization of land for pasture in southern Indiana. G. E. Young. (Ind. Sta. Bul. 359. 1932.) LaFayette.
- Commercial fertilizers. H. R. Kraybill et al. (Ind. Sta. Circ. 190. 1932.) LaFayette.
- Report of Moses Fell Annex Farm, Bedford, Indiana, June, 1932. H. J. Reed and H. G. Hall. (Ind. Sta. Circ. 191. 1932.) LaFayette.

- The influence of sex on the quality and palatability of beef. M. D. Helser et al. (Iowa Sta. Leaflet 29. 1932.) Ames.
- 1, Seed transmission and sterility studies of two strains of tobacco ringspot; 2, a virus disease of delphinium and tobacco; 3, a virus disease of plum and peach. W. D. Valleau. (Ky. Sta. Bul. 327. 1932.) Lexington.
- Forty-third annual report of the Kentucky Agricultural Experiment Station for the year 1930, Part II, Bulletins 299-313. 1930. Lexington.
- Cotton seed for dairy cows. R. H. Lush and A. J. Gelpi. (La. Stas. Bul. 227. 1932.) State Station, Baton Rouge.
- Protein supplements and pastures for swine. C. I. Bray, J. B. Francioni, jr., and E. M. Gregory. (La. Stas. Bul. 228. 1932.) State Station, Baton Rouge.
- Storage studies of Louisiana eggs. C. W. Upp. (La. Stas. Bul. 229. 1932.) State Station, Baton Rouge.
- Contagious abortion in experiment station dairy herd. L. W. Ingham and D. Meade. (Md. Sta. Bul. 331. 1932.) College Park.
- Experiments with permanent pastures. A. B. Beaumont. (Mass. Sta. Bul. 281. 1932.) Amherst.
- Relation between egg quality and price. A. H. Lindsey and H. W. Yount. (Mass. Sta. Bul. 282. 1932.) Amherst.
- Downy mildew of cucumbers. W. L. Doran. (Mass. Sta. Bul. 283. 1932.) Amherst.
- Questions and answers concerning pullorum disease. H. Van Roekel. (Mass. Sta. Bul. 284. 1932.) Amherst.
- The relation of temperature to the activity and control of the plum curculio in apples. W. D. Whitcomb. (Mass. Sta. Bul. 285. 1932.) Amherst.
- Bald Rock wheat. E. E. Down and H. M. Brown. (Mich. Sta. Spec. Bul. 223. 1932.) East Lansing.
- Three virus diseases of the peach in Michigan. D. Cation. (Mich. Sta. Circ. 14. 1932.) East Lansing.
- The Quarterly Bulletin. (Mich. Sta. Quart. Bul., vol. 15, No. 1. 1932.) East Lansing.
- Planning systems of farming for the Red River Valley of Minnesota. G. A. Pond, G. A. Sallee, and C. W. Crickman. (Minn. Sta. Bul. 284. 1931.) University Farm, St. Paul.
- Establishment, growth, and influence of shelter belts in the prairie region of Minnesota. E. G. Cheyney. (Minn. Sta. Bul. 285. 1931.) University Farm, St. Paul.
- Cod liver oil in the winter ration of pullets, results of a three-year study of the effects on egg production and the hatching power of the eggs laid. A. W. Edson. (Minn. Sta. Bul. 286. 1932.) University Farm, St. Paul.
- Making cotton cheaper. Can present production costs be reduced? M. G. Vaiden, J. O. Smith, and W. E. Ayres. (Miss. Sta. Bul. 298. 1932.) State College.
- The durability of fence posts. J. C. Wooley. (Mo. Sta. Bul. 312. 1932.) Columbia.
- Some production costs with growing chicks. H. L. Kempster and E. M. Funk. (Mo. Sta. Bul. 313. 1932.) Columbia.
- Yearling heifers and steers for beef production. E. A. Trowbridge and H. C. Moffett. (Mo. Sta. Bul. 314. 1932.) Columbia.
- The farm tenant and his renting problem. O. R. Johnson. (Mo. Sta. Bul. 315. 1932.) Columbia.
- Horses grown on limited grain rations. E. A. Trowbridge and D. W. Chittenden. (Mo. Sta. Bul. 316. 1932.) Columbia.

- The accuracy and flexibility of rural real estate assessment in Missouri. C. H. Hammar. (Mo. Sta. Res. Bul. 169. 1932.) Columbia.
- The oestrous cycle of the ewe; histology of the genital tract. L. E. Casida and F. F. McKenzie. (Mo. Sta. Res. Bul. 170. 1932.) Columbia.
- Autumnal migration of nitrogen and carbohydrates in the apple tree, with special reference to leaves. A. E. Murneek and J. C. Logan. (Mo. Sta. Res. Bul. 171. 1932.) Columbia.
- Pump irrigation and water table studies. H. E. Weakly. (Nebr. Sta. Bul. 271. 1932.) Lincoln.
- Survey of land holdings in towns of Fremont and Boscawen, New Hampshire. C. E. Walker and P. M. Hodgkins. (N. H. Sta. Bul. 264. 1932.) Durham.
- Economic study of New Hampshire poultry farms. H. C. Woodworth and F. D. Reed. (N. H. Sta. Bul. 265. 1932.) Durham.
- Nitrogen and carbohydrate metabolism of young apple trees as affected by excessive applications of sodium nitrate. N. W. Stuart. (N. H. Sta. Tech. Bul. 50. 1932.) Durham.
- An automatic method for collecting solid and liquid excreta from cows in digestion experiments. E. G. Ritzman and N. F. Colovos. (N. H. Sta. Tech. Bul. 52. 1932.) Durham.
- Head lettuce in New Hampshire. R. B. Dearborn and J. R. Helper. (N. H. Sta. Circ. 39. 1932.) Durham.
- Feather development in Barred Plymouth Rock chicks. A. M. M. Gericke and C. S. Platt. (N. J. Stas. Bul. 543. 1932.) New Brunswick.
- The vireos, cuckoos, and shrikes of New Jersey. L. A. Hausman. (N. J. Stas. Bul. 544. 1932.) New Brunswick.
- A comparison of the pollution and natural purification of the Connecticut and Delaware Rivers and the Brandywine Creek. L. R. Setter. (N. J. Stas. Bul. 545. 1932.) New Brunswick.
- Analyses of commercial feeding stuffs and registrations for 1932. C. S. Cathcart. (N. J. Stas. Bul. 546. 1932.) New Brunswick.
- Roses in the garden. C. H. Connors. (N. J. Stas. Circ. 251. 1932.) New Brunswick.
- Swine management. W. C. Skelley. (N. J. Stas. Circ. 259. 1932.) New Brunswick.
- Relation of daily prices to the marketing of hogs at Chicago. H. J. Stover. (N. Y. Cornell Sta. Bul. 534. 1932.) Ithaca.
- Carbohydrate and nitrogen metabolism in the celery plant as related to premature seeding. H. Platenius. (N. Y. Cornell Sta. Mem. 140. 1932.) Ithaca.
- The Mexican bean beetle. H. C. Hockett. (N. Y. State Sta. Circ. 125. 1932.) Geneva.
- The potato flea beetle. H. C. Hockett. (N. Y. State Sta. Circ. 126. 1932.) Geneva.
- The squash borer. H. C. Hockett. (N. Y. State Sta. Circ. 127. 1932.) Geneva.
- Potato aphids on Long Island. H. C. Hockett. (N. Y. State Sta. Circ. 128. 1932.) Geneva.
- Dormant oil sprays for pear psylla. F. Z. Hartzell. (N. Y. State Sta. Circ. 129. 1932.) Geneva.
- The pear midge and its control. F. G. Munding and F. Z. Hartzell. (N. Y. State Sta. Circ. 130. 1932.) Geneva.
- The quality factor in the marketing of milk. R. S. Breed. (N. Y. State Sta. Circ. 131. 1932.) Geneva.
- Pollination of fruit trees. R. Wellington. (N. Y. State Sta. Circ. 132. 1932.) Geneva.

- Peach growing. O. Einset. (N. Y. State Sta. Circ. 133. 1932.) Geneva.
- The plum in New York. L. M. Van Alstyne. (N. Y. State Sta. Circ. 134. 1932.) Geneva.
- Beans for New York. W. T. Tapley and W. D. Enzie. (N. Y. State Sta. Circ. 135. 1932.) Geneva.
- Facts about the Geneva Station. (N. Y. State Sta. Circ. 136. 1932.) Geneva.
- Corn in its northern home. P. J. Olson and H. L. Walster. (N. Dak. Sta. Bul. 257. 1932.) State College Station, Fargo.
- Preparation of feeds for dairy cows. C. C. Hayden, C. F. Monroe, and A. E. Perkins. (Ohio Sta. Bul. 502. 1932.) Wooster.
- Ohio agricultural statistics for 1929-1930-1931. A. R. Tuttle, R. E. Straszheim, and P. P. Wallrabenstein. (Ohio Sta. Bul. 503. 1932.) Wooster.
- Marketing cannery tomatoes on grade in Ohio. C. W. Hauck. (Ohio Sta. Bul. 504. 1932.) Wooster.
- Current farm economics, Oklahoma. (Okla. Sta. Cur. Farm Econ., vol. 5, No. 4. 1932.) Stillwater.
- Electrical resistance of pear tissue as an index of maturity. J. C. Moore. (Oreg. Sta. Bul. 300. 1932.) Corvallis.
- Design of equipment and method for preparing starter for Oregon creameries and cheese factories. F. E. Price, G. H. Wilster, and C. J. Hurd. (Oreg. Sta. Bul. 301. 1932.) Corvallis.
- Twenty-five years of supplemental irrigation investigations in Willamette Valley. W. L. Powers. (Oreg. Sta. Bul. 302. 1932.) Corvallis.
- Forty-fourth annual report of the agricultural experiment station of the University of Tennessee for 1931. C. A. Mooers et al. [1932.] Knoxville.
- The comparative value of cottonseed hulls and hay as roughages for growing dairy heifers. O. C. Copeland. (Tex. Sta. Bul. 451. 1932.) College Station.
- Annual summary of publications, July 1, 1931, to June 30, 1932. B. C. Pittman. (Utah Sta. Circ. 100. 1932.) Logan.
- Experiments with lime, fertilizers, and varieties of field crops in the cotton and peanut section of Virginia. E. T. Batten and T. B. Hutcheson. (Va. Sta. Bul. 284. 1932.) Blacksburg.
- Membership relations in community organizations, a study of factors affecting organizational attitudes. W. E. Garnett and A. C. Seymour. (Va. Sta. Bul. 287. 1932.) Blacksburg.
- A study of lymphomatosis of fowls (fowl paralysis). E. P. Johnson. (Va. Sta. Tech. Bul. 44. 1932.) Blacksburg.
- The bactericidal effectiveness of home laundering methods for silk and rayon. E. H. Roberts. (Wash. Col. Sta. Bul. 265. 1932.) Pullman.
- Control of cannibalism in chickens. J. S. Carver. (Wash. Col. Sta. Bul. 267. 1932.) Pullman.
- Grading cream for buttermaking. H. A. Bendixen and E. V. Ellington. (Wash. Col. Sta. Bul. 269. 1932.) Pullman.
- The feeding value of dried apple pomace for dairy cows. J. C. Knott, R. E. Hodgson, and E. V. Ellington. (Wash. Col. Sta. Bul. 270. 1932.) Pullman.
- Raising dairy calves with dried skimmilk. J. C. Knott, R. E. Hodgson, and E. V. Ellington. (Wash. Col. Sta. Bul. 273. 1932.) Pullman.

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS DURING SEPTEMBER 1932

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The post-office address of the station is given at the end of each entry.

- Morphological, greenhouse, and chemical studies of the Balck Belt soils of Alabama. G. D. Scarseth. (Ala. Sta. Bul. 237. 1932.) Auburn.
- Experiments with commercial nitrogenous fertilizers. J. W. Tidmore and J. T. Williamson. (Ala. Sta. Bul. 238. 1932.) Auburn.
- An inexpensive machine for filling the trench silo. E. G. Diseker. (Ala. Sta. Circ. 61. 1932.) Auburn.
- Present-day agriculture in Arizona. (Ariz. Sta. Bul. 141. 1932) Tucson.
- Relation of grade and staple length of cotton to prices received by farmers in local markets of Arkansas. J. G. Maddox. (Ark. Sta. Bul. 274. 1932.) Fayetteville.
- Relation of central market prices of strawberries to production planning. O. J. Hall. (Ark. Sta. Bul. 275. 1932.) Fayetteville.
- Studies in the design of kitchens and kitchen equipment. D. G. Carter. (Ark. Sta. Bul. 276. 1932.) Fayetteville.
- Preliminary report on the effect of certain chemicals on rice production and their effect on the rice soil. L. C. Kapp. (Ark. Sta. Bul. 277. 1932.) Fayetteville.
- Studies of wheat varieties, culture and selection. C. K. McClelland. (Ark. Sta. Bul. 278. 1932.) Fayetteville.
- The harvesting and handling of fall and winter pears. F. W. Allen. (Calif. Sta. Bul. 533. 1932.) Berkeley.
- Effect of extending the cutting season on the yield of asparagus. H. A. Jones. (Calif. Sta. Bul. 535. 1932.) Berkeley.
- Variations in citrus seedlings and their relation to rootstock selection. H. J. Webber. (Hilgardia [Calif. Sta.], vol. 7, No. 1. 1932.) Berkeley.
- A comparison of the soil-plaque method with the Neubauer and Hoffer cornstalk methods for determining mineral soil deficiencies. L. C. Stewart et al. (Colo. Sta. Bul. 390. 1932.) Fort Collins.
- Soybeans under irrigation in Colorado. D. W. Robertson, A. Kezer, and G. W. Deming. (Colo. Sta. Bul. 392. 1932.) Fort Collins.
- Thermostatically controlled master valves as heat controllers for buildings. F. E. Goetz. (Colo. Sta. Bul. 393. 1932.) Fort Collins.
- Connecticut State entomologist, thirty-first report, 1931. W. E. Britton. (Conn. State Sta. Bul. 338. 1932.) New Haven.
- Report of the director for the year ending June 30, 1931. W. L. Slate. (Conn. Storrs Sta. Bul. 176. 1932.) Storrs.
- Variation in the tung-oil tree. H. Mowry. (Fla. Sta. Bul. 247. 1932.) Gainesville.
- Gray leafspot, a new disease of tomatoes. G. F. Weber, S. Hawkins, and D. G. A. Kelbert. (Fla. Sta. Bul. 249. 1932.) Gainesville.

- Some major celery insects in Florida. E. D. Ball, B. L. Boyden, and W. E. Stone. (Fla. Sta. Bul. 250. 1932.) Gainesville.
- Planning the farm business for the year ahead. P. A. Eke and E. T. Benson. (Idaho Sta. Bul. 188. 1932.) Moscow.
- Sheep feeding: Fattening western lambs, 1929-1930, 1930-1931, 1931-1932. F. G. King and C. Harper. (Ind. Sta. Bul. 360. 1932.) LaFayette.
- Marketing Indiana potatoes, local supply and imports. F. C. Gaylord and H. M. Cleaver. (Ind. Sta. Bul. 361. 1932.) LaFayette.
- Soil Management on the Carrington silt loam. P. E. Brown et al. (Iowa Sta. Bul. 291. 1932.) Ames.
- The use of water bowls in the dairy barn. C. Y. Cannon, E. N. Hansen, and J. R. O'Neal. (Iowa Sta. Bul. 292. 1932.) Ames.
- The Peppers. A. T. Erwin. (Iowa Sta. Bul. 293. 1932.) Ames.
- An economic study of the hog enterprise. J. A. Hopkins, jr. (Iowa Sta. Bul. 294. 1932.) Ames.
- Soil survey of Iowa: Lyon County soils. P. E. Brown et al. (Iowa Sta. Soil Rpt. 66. 1932.) Ames.
- Soil survey of Iowa: Buchanan County soils. P. E. Brown et al. (Iowa Sta. Soil Rpt. 67. 1932.) Ames.
- Soil survey of Iowa: Union County soils. P. E. Brown et al. (Iowa Sta. Soil Rpt. 68. 1932.) Ames.
- Tobacco diseases in Kentucky. W. D. Valleau and E. M. Johnson. (Ky. Sta. Bul. 328. 1932.) Lexington.
- Commercial feeds in Kentucky in 1931. J. D. Turner et al. (Ky. Sta. Bul. 330. 1932.) Lexington.
- Hauling cane by wagon. G. H. Reuss. (La. Stas. Circ. 4. 1932.) Baton Rouge.
- Types of intensity in Rhode Island Reds. F. A. Hays and R. Sanborn. (Mass Sta. Bul. 286. 1932.) Amherst.
- Meteorological observations for August 1932. C. I. Guinness and F. R. Shaw. (Mass. Sta. Met. Bul. 524. 1932.) Amherst.
- Activities of churches in town-country communities. C. R. Hoffer. (Mich. Sta. Spec. Bul. 226. 1932.) East Lansing.
- The various effects of frost protectors on tomato plants, a physiological study. R. P. Hibbard. (Mich. Sta. Tech. Bul. 124. 1932.) East Lansing.
- On the control of caecal coccidiosis in chickens. W. L. Chandler. (Mich. Sta. Tech. Bul. 127. 1932.) East Lansing.
- Flies and mosquitoes commonly found about Michigan homes. E. I. McDaniel. (Mich. Sta. Circ. 144. 1932.) East Lansing.
- Drying of legume hay plants, a study to determine the role of the leaves in drying the stems and the relation of method of drying to loss of leaves and chemical composition. F. L. Higgins. (Minn. Sta. Tech. Bul. 83. 1932.) University Farm, St. Paul.
- Report of the Raymond Branch Experiment Station. H. F. Wallace. (Miss. Sta. Bul. 299. 1932.) State College.
- The Missouri farm real estate situation for 1930-1931. C. H. Hammar and R. P. Callaway. (Mo. Sta. Res. Bul. 172. 1932.) Columbia.
- The contract feeding of livestock. R. R. Thalman. (Nebr. Sta. Bul. 274. 1932.)
- Electricity on New England farms: II, A report of the New Hampshire project on the relation of electricity to agriculture for the years 1925-1930. W. T. Ackerman. (N. H. Sta. Bul. 266. 1932.) Durham.
- Studies of contact insecticides: V, The performance of certain contact agents on various insects. W. C. O'Kane, W. A. Westgate, and L. C. Glover. (N. H. Sta. Tech. Bul. 51. 1932.) Durham.

- The effect of the frequency of irrigation on potatoes grown in Mimbres Valley, New Mexico. D. W. Bloodgood. (N. Mex. Sta. Bul. 205. 1932.) State College.
- Utilization of calcium and phosphorus by dairy heifers; high and low calcium roughages. O. C. Cunningham, L. H. Addington, and W. E. Watkins. (N. Mex. Sta. Bul. 206. 1932.) State College.
- A temperature treatment for increasing the viscosity of sweet cream. J. C. Henning and A. C. Dahlberg. (N. Y. State Sta. Tech. Bul. 197. 1932.) Geneva.
- Dusting tomato seed with copper sulfate monohydrate for combating damping-off. J. G. Horsfall. (N. Y. State Sta. Tech. Bul. 198. 1932.) Geneva.
- Buttercup squash, its origin and use. A. F. Yeager and E. Latzke. (N. Dak. Sta. Bul. 258. 1932.) State College Station, Fargo.
- Factors influencing the dressing percentage of hogs. G. F. Henning and W. B. Stout. (Ohio Sta. Bul. 505. 1932.) Wooster.
- The influence of laundering and exposure to light upon some wash silks used for outer garments. M. E. Griffith. (Ohio Sta. Bul. 506. 1932.) Wooster.
- The trend of wheat production in Ohio. C. A. Lamb. (Ohio Sta. Bul. 507. 1932.) Wooster.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 158. 1932.) Wooster.
- Analyses of commercial fertilizers. R. N. Brackett and J. H. Woodward. (S. C. Sta. Bul. 234. 1932.) Clemson College.
- Freight rates and the South Dakota farmer. M. R. Benedict. (S. Dak. Sta. Bul. 269. 1932.) Brookings.
- Rye as a fattening feed for cattle and swine in South Dakota. J. W. Wilson and T. Wright. (S. Dak. Sta. Bul. 271. 1932.) Brookings.
- The mechanical harvesting of cotton. H. P. Smith et al. (Tex. Sta. Bul. 452. 1932.) College Station.
- Digestibility and production coefficients of hog feeds. G. S. Fraps. (Tex. Sta. Bul. 454. 1932.) College Station.
- California red scale and its control in the Lower Rio Grande Valley of Texas. S. W. Clark and W. H. Friend. (Tex. Sta. Bul. 455. 1932.) College Station.
- Soremouth (contagious ecthyma) in sheep and goats. H. Schmidt and W. T. Hardy. (Tex. Sta. Bul. 457. 1932.) College Station.
- Inequalities in taxation of farm lands and city property due to scope and method of assessment. L. P. Gabbard. (Tex. Sta. Bul. 458. 1932.) College Station.
- Biennial report, Utah Agricultural Experiment Station, July 1, 1930, to June 30, 1932. P. V. Cardon. (Utah Sta. Bul. 235. 1932.) Logan.
- The manufacture of cheese from soft-curd and hard-curd milks. R. L. Hill and A. C. Merrill. (Utah Sta. Bul. 236. 1932.) Logan.
- Marketing Virginia tobacco. R. A. Ballinger and J. L. Maxton. (Va. Sta. Bul. 285. 1932.) Blacksburg.
- An economic study of cooperative buying and selling among farmers in Virginia. R. C. Talbot. (Va. Sta. Bul. 286. 1932.) Blacksburg.
- Erosive effects of heavy summer rains in southeastern Washington. W. A. Rockie and P. C. McGrew. (Wash. Col. Sta. Bul. 271. 1932.) Pullman.

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LIST OF STATION PUBLICATIONS

Received by the Office of Experiment Stations during October 1932

The Department does not have these publications for distribution. Usually they may be obtained from the stations issuing them. The post-office address of the station is given at the end of each entry.

- Studies on iron, aluminum, and organic phosphates and phosphate fixation in calcareous soils. W. T. McGeorge and J. F. Breazeale. (Ariz. Sta. Tech. Bul. 40. 1932.) Tucson.
- Nutritional disorders in alkaline soils as caused by deficiency of carbon dioxide. J. F. Breazeale and W. T. McGeorge. (Ariz. Sta. Tech. Bul. 41. 1932.) Tucson.
- The physico-chemical relationships of soil phosphates. T. F. Buehrer. (Ariz. Sta. Tech. Bul. 42. 1932.) Tucson.
- Mottled enamel in Arizona and its correlation with the concentration of fluorides in water supplies. H. V. Smith and M. C. Smith. (Ariz. Sta. Tech. Bul. 43. 1932.) Tucson.
- Breeding plants of the cabbage group. O. H. Pearson. (Calif. Sta. Bul. 532. 1932.) Berkeley.
- The smokiness of oil-burning orchard heaters. W. R. Schoonover and F. A. Brooks. (Calif. Sta. Bul. 536. 1932.) Berkeley.
- Soil erosion in California, its prevention and control. W. W. Weir. (Calif. Sta. Bul. 538. 1932.) Berkeley.
- Chemical investigations of the tobacco plant: III, Tobacco seed. L. B. Mendel et al. (Conn. State Sta. Bul. 339. 1932.) New Haven.
- The food value of milk. (Conn. State Sta. Bul. 340. 1932.) New Haven.
- The thirty-sixth report on food products and the twenty-fourth report on drug products, 1931. E. M. Bailey. (Conn. State Sta. Bul. 341. 1932.) New Haven.
- Farm tenancy in Delaware. R. O. Bausman. (Del. Sta. Bul. 178. 1932.) Newark.
- An economic study of 249 dairy farms in Florida. B. McKinley. (Fla. Sta. Bul. 246. 1932.) Gainesville.
- Control of the celery leaf-tier in Florida. W. E. Stone et al. (Fla. Sta. Bul. 251. 1932.) Gainesville.
- A new wheat for Georgia, with suggestions for culture. R. P. Bledsoe. (Ga. Sta. Bul. 171. 1932.) Experiment.
- Type in market swine and its influence on quality of pork. J. E. Nordby. (Idaho Sta. Bul. 190. 1932.) Moscow.
- Hog prices and the hog enterprise on Idaho farms. T. L. Gaston. (Idaho Sta. Bul. 191. 1932.) Moscow.
- Work and progress [report of the director] of the agricultural experiment station for the year ending December 31, 1931. E. J. Iddings. (Idaho Sta. Bul. 192. 1932.) Moscow.
- Efficiency of cream stations in cream collection. C. O. Youngstrom et al. (Idaho Sta. Bul. 193. 1932.) Moscow.
- Anthraxnose and gray bark of red raspberries, identification and control. H. W. Anderson and K. J. Kadow. (Ill. Sta. Bul. 383. 1932.) Urbana.
- Common parasites of horses. F. Thorp, Jr., and R. Graham. (Ill. Sta. Circ. 397. 1932.) Urbana.

- The extension service in agriculture and home economics, 1933. (Ill. Sta. Circ. 398. 1932.) Urbana.
- Information regarding recent publications. (Kans. Sta. Circ. 165. 1932.) Manhattan.
- Forestry in the economic life of Knott County, Kentucky. R. B. Craig. (Ky. Sta. Bul. 326. 1932.) Lexington.
- The resistance of certain red clovers and alfalfas to leafhopper injury. H. H. Jewett. (Ky. Sta. Bul. 329. 1932.) Lexington.
- Soils and fertilizer experiments, Experiment Station Farm, Lexington. G. Roberts and E. J. Kinney. (Ky. Sta. Bul. 331. 1932.) Lexington.
- I, Winter versus summer feeding of corn to heavy steers finished on grass; II, Wheat as a fattening feed for yearling steers. E. S. Good and W. J. Harris. (Ky. Sta. Bul. 332. 1932.) Lexington.
- Forty-fourth annual report of the Agricultural Experiment Station of the University of Kentucky for the year 1931, Part I. T. P. Cooper. 1932. Lexington.
- Blackstrap molasses for farm work mules. M. G. Snell and W. G. Taggart. (La. Stas. Bul. 230. 1932.) Baton Rouge.
- Louisiana farm taxes. B. W. Allin and R. L. Thompson. (La. Stas. Bul. 231, Part 1 1932.) Baton Rouge.
- Costs and returns in producing milk, raising heifers, and keeping herd bulls in Maine. G. F. Dow. (Me. Sta. Bul. 361. 1932.) Orono.
- Foods and drugs. J. M. Bartlett. (Me. Sta. Off. Insp. 143. 1932.) Orono.
- The poultry house floor. R. H. Waite. (Md. Sta. Bul. 334. 1932.) College Park.
- The vegetative propagation of plants. F. E. Gardner. (Md. Sta. Bul. 335. 1932.) College Park.
- Frozen fruits and their utilization in frozen dairy products. M. J. Mack and C. R. Fellers. (Mass. Sta. Bul. 287. 1932.) Amherst.
- Meteorological observations for July 1932. C. I. Guinness and F. R. Shaw. (Mass. Sta. Met. Bul. 523. 1932.) Amherst.
- Seventieth annual report of the Secretary of the State Board of Agriculture of the State of Michigan and forty-fourth annual report of the experiment station from July 1, 1930, to June 30, 1931. H. H. Halliday et al. 1931. East Lansing.
- Growth and decline of farm trade centers in Minnesota, 1905-1930. C. E. Lively. (Minn. Sta. Bul. 287. 1932.) University Farm, St. Paul.
- Mississippi Agricultural Experiment Station, forty-fifth annual report for the fiscal year ending June 30, 1932. W. R. Perkins. [1932.] State College.
- Apple pollination, an evaluation of methods and pollenizers. A. E. Murneek. (Mo. Sta. Res. Bul. 175. 1932.) Columbia.
- Rural contributions to urban leadership in Montana. E. H. Lott. (Mont. Sta. Bul. 262. 1932.) Bozeman.
- Potatoes in irrigated rotations. D. A. Savage. (Mont. Sta. Bul. 263. 1932.) Bozeman.
- Organization, feeding methods, and other practices affecting returns on irrigated dairy farms in western Montana. S. E. Johnson et al. (Mont. Sta. Bul. 264. 1932.) Bozeman.
- Organization of the range cattle business in eastern Montana. R. S. Fletcher. (Mont. Sta. Bul. 265. 1932.) Bozeman.
- Cereal variety experiments at North Platte. N. E. Jodon. (Nebr. Sta. Bul. 272. 1932.) Lincoln.
- Fungi of flaxseed and of flax-sick soil. H. L. Dolley and T. F. Manns. (No. Dak. Sta. Bul. 259. 1932.) State College Station, Fargo.

- Apple thinning, with special reference to Grimes Golden and Jonathan. C. W. Ellenwood and F. S. Howlett. (Ohio Sta. Bul. 508. 1932.) Wooster.
- The farm mortgage situation in Putnam, Union, and Greene Counties, Ohio. V. R. Wertz. (Ohio Sta. Bul. 509. 1932.) Wooster.
- The "Red Hill" Soils of western Oregon and their utilization. C. V. Rusek and W. L. Powers. (Oreg. Sta. Bul. 303. 1932.) Corvallis.
- Diseases of narcissus. F. P. McWhorter and F. Weiss. (Oreg. Sta. Bul. 304. 1932.) Corvallis.
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- Potato marketing in Pennsylvania. F. F. Lininger. (Pa. Sta. Bul. 278. 1932.) State College.
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- Preliminary report, feeding flax straw to cattle. J. W. Wilson, T. Wright, and F. Fenn. (S. Dak. Sta. Circ. 3. 1932.) Brookings.
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- The McClintock strawberry. B. D. Drain. (Tenn. Sta. Bul. 146. 1932.) Knoxville.
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- Who pays for the highways? B. H. Hibbard and C. F. Wehrwein. (Wis. Sta. Bul. 423. 1932.) Madison.

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- The use of ice in curing pork on the farm. J. C. Grimes, W. E. Sewell, and G. J. Cottier. (Ala. Sta. Circ. 62. 1930.) Auburn.
- Farm standards of living in Faulkner County, Arkansas. T. C. McCormick. (Ark. Sta. Bul. 279. 1932.) Fayetteville.
- Forty-fourth annual report, fiscal year ending June 30, 1932. D. T. Gray et al. (Ark. Sta. Bul. 280. 1932.) Fayetteville.
- Water requirements of cotton on sandy loam soils in southern San Joaquin Valley. S. H. Beckett and C. F. Dunshee. (Calif. Sta. Bul. 537. 1932.) Berkeley.
- Sales methods and policies of the Calavo Growers of California. E. A. Stokdyk. (Calif. Sta. Bul. 539. 1932.) Berkeley.
- Effect of partial cutting in the virgin stand upon the growth and taper of western yellow pine. F. X. Schumacher. (Calif. Sta. Bul. 540. 1932.) Berkeley.
- Harvesting and drying rough rice in California. R. Bainer. (Calif. Sta. Bul. 541. 1932.) Berkeley.
- Alfalfa diseases in California. J. L. Weimer and B. A. Madson. (Calif. Sta. Circ. 326. 1932.) Berkeley.
- The physiology of normal and frizzle fowl, with special reference to the basal metabolism. F. G. Benedict, W. Landauer, and E. L. Fox. (Conn. Storrs Sta. Bul. 177. 1932.) Storrs.
- The melon aphid (*Aphis gossypii* Glover). C. C. Goff and A. N. Tissot. (Fla. Sta. Bul. 252. 1932.) Gainesville.
- Studies on summer cover crops in a Pineapple orange grove. W. E. Stokes et al. (Fla. Sta. Bul. 253. 1932.) Gainesville.
- Genetics and breeding in the improvement of the soybean. C. M. Woodworth. (Ill. Sta. Bul. 384. 1932.) Urbana.
- A plan for adjusting cash rent to changes in the prices of farm products. M. Peck. (Iowa Sta. Bul. 295. 1932.) Ames.
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- Factors influencing the time of buying feeder steers and of selling them as choice summer-fed steers. H. J. Henney. (Kans. Sta. Bul. 258. 1932.) Manhattan.
- The organization and operation of cooperative creameries in Kansas. G. Montgomery and W. J. Caulfield. (Kans. Sta. Bul. 259. 1932.) Manhattan.
- Soil fertility. R. I. Throckmorton and F. L. Duley. (Kans. Sta. Bul. 260. 1932.) Manhattan.
- The identification of certain native and naturalized grasses by their vegetative characters. R. F. Copple and A. E. Aldous. (Kans. Sta. Tech. Bul. 32. 1932.) Manhattan.
- Infectious abortion of cattle. C. H. Kitselman. (Kans. Sta. Circ. 164. 1932.) Manhattan.
- Twenty years of experience with dairy sires. J. B. Fitch and H. J. Brooks. (Kans. Sta. Circ. 166. 1932.) Manhattan.

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- Variation in the organic reserves in underground parts of five perennial weeds from late April to November. A. C. Arny. (Minn. Sta. Tech. Bul. 84. 1932.) University Farm, St. Paul.
- Inspection and analysis of commercial fertilizers; spring, 1932. F. B. Mumford and L. D. Haigh. (Mo. Sta. Bul. 318. 1932.) Columbia.
- The composition of soybean plants at various growth stages as related to their rate of decomposition and use as green manure. L. M. Turk. (Mo. Sta. Res. Bul. 173. 1932.) Columbia.
- Factors affecting the cost of dairying in western Nevada. C. Venstrom and F. B. Headley. (Nev. Sta. Bul. 128. 1932.) Reno.
- Cost of producing hay on Nevada range cattle ranches. C. A. Brennen et al. (Nev. Sta. Bul. 129. 1932.) Reno.
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- Grafting and budding fruit trees. I. P. Lewis. (Ohio Sta. Bul. 510. 1932.) Wooster.
- Diseases of ornamental plants. P. E. Tilford. (Ohio Sta. Bul. 511. 1932.) Wooster.
- Photoperiodism, the value of supplementary illumination and reduction of light on flowering plants in the greenhouse. A. Laurie and G. H. Poesch. (Ohio Sta. Bul. 512. 1932.) Wooster.
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 159. Nov.-Dec. 1932.) Wooster.
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- Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vt. Sta. Bul. 338. 1932.) Burlington.
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- The standard of living on specific owner-operated Vermont farms. M. Muse. (Vt. Sta. Bul. 340. 1932.) Burlington.
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- Irrigation of orchards by sprinkling. F. L. Overley et al. (Wash. Col. Sta. Bul. 268. 1932.) Pullman.
- Inheritance studies of the reaction of selfed lines of maize to smut (Ustilago zeae). M. M. Hoover. (W. Va. Sta. Bul. 253. 1932.) Morgantown.
- Drifting of honeybees. C. L. Corkins. (Wyo. Sta. Bul. 190. 1932.) Laramie.

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- Development of agricultural credit corporations in Arkansas with State aid in 1931. B. M. Gile. (Ark. Sta. Bul. 281. 1932.) Fayetteville.
- Cotton variety tests. J. O. Ware. (Ark. Sta. Bul. 282. 1932.) Fayetteville.
- Biology and control of citrus insects and mites. H. J. Quayle. (Calif. Sta. Bul. 542. 1932.) Berkeley.
- Seasonal changes in the chemical composition of range forage and their relation to nutrition of animals. G. H. Hart, H. R. Guilbert, and H. Goss. (Calif. Sta. Bul. 543. 1932.) Berkeley.
- The vegetable weevil (Listroderes obliquus). O. H. Lovell. (Calif. Sta. Bul. 546. 1932.) Berkeley.
- Variation in the yields of fruit trees in relation to the planning of future experiments. E. R. Parker and L. D. Batchelor. (Hilgardia [Calif. Sta.], vol. 7, No. 2. 1932.) Berkeley.
- Transmission of carrot, parsley and parsnip yellows by Cicadula divisa. H. H. P. Severin. (Hilgardia [Calif. Sta.], vol. 7, No. 3. 1932.) Berkeley.
- Injurious effects of manganese and iron deficiencies on the growth of citrus. A. R. C. Haas. (Hilgardia [Calif. Sta.], vol. 7 No. 4. 1932.) Berkeley.
- Plant buffer systems in relation to the absorption of bases by plants. T. C. Dunne. (Hilgardia [Calif. Sta.], vol. 7, No. 5. 1932.) Berkeley.
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- The judging of dairy products. C. A. Phillips and F. H. Abbott. (Calif. Sta. Circ. 327. 1932.) Berkeley.
- Profits from winter feeding in northern Colorado. R. T. Burdick and H. B. Pingrey. (Colo. Sta. Bul. 394. 1932.) Fort Collins.
- Colorado dryland fattening rations for lambs. H. B. Osland, E. J. Maynard, and J. F. Brandon. (Colo. Sta. Bul. 395. 1932.) Fort Collins.
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- The relation of feather pigmentation to intensity of laying in Rhode Island Reds. F. A. Hays. (Mass. Sta. Bul. 288. 1932.) Amherst.
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- Land utilization in Lawrence County, Ohio. J. H. Sitterley, H. R. Moore, and J. I. Falconer. (Ohio Sta. Bul. 514. 1932.) Wooster.
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- Lime and phosphoric acid requirements for chicks. R. M. Sherwood. (Tex. Sta. Bul. 462. 1932.) College Station.
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- An economic study of the organization, finance and operations of farmers' business cooperatives in Vermont. H. C. Grinnell. (Vt. Sta. Bul. 346. 1932.) Burlington.
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